AUDIO-VIDEO STEREO RECEIVER

KR-V6070

SERVICE MANUAL

KENWOOD

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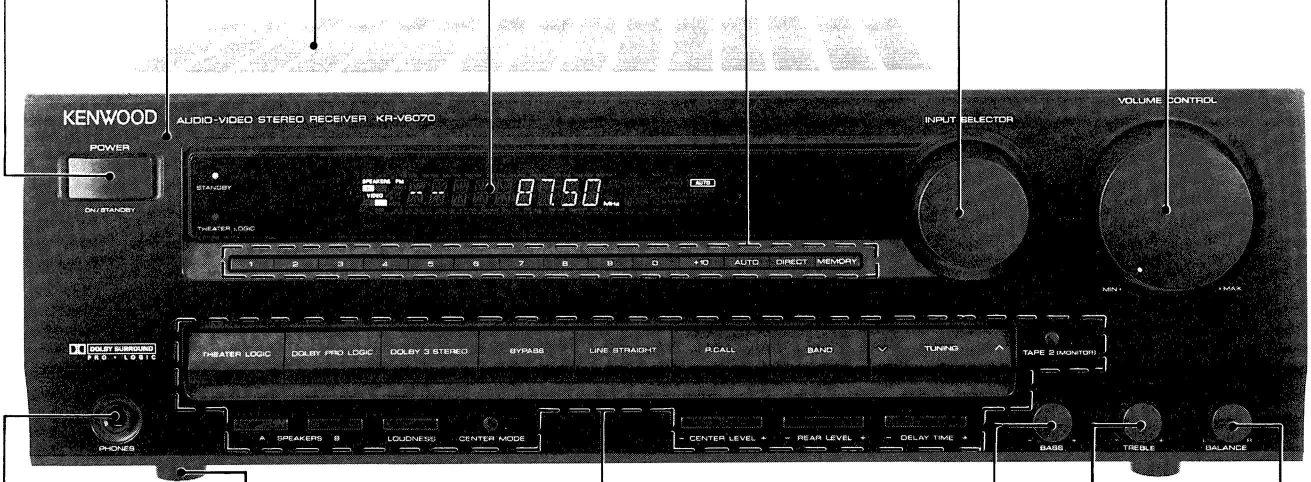
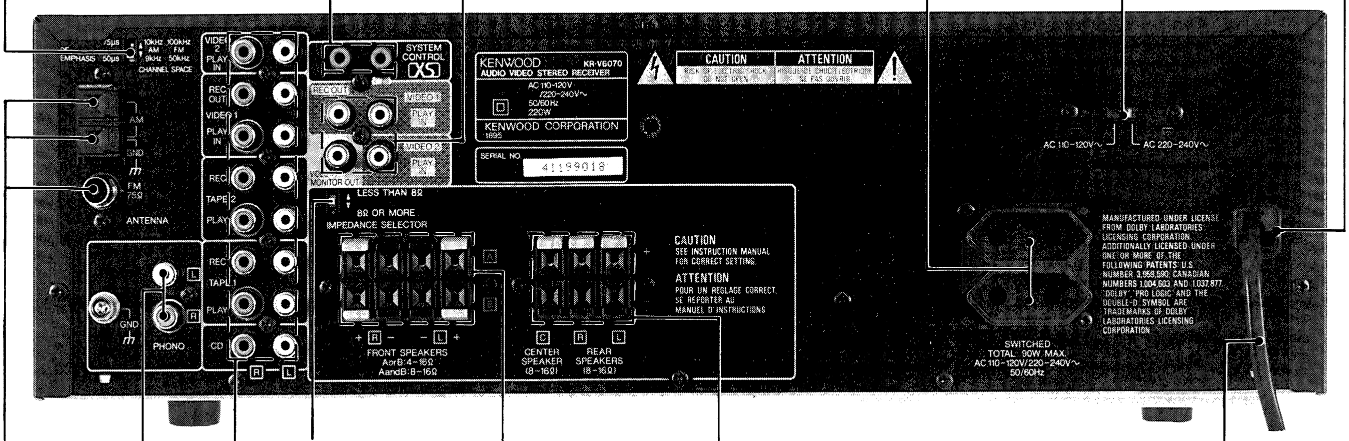
B51-5019-00 (S) 3814


KENWOOD
AUDIO-VIDEO STEREO RECEIVER KR-V6070
POWER
ON/STANDBY
STANDBY
THEATER LOGIC
8750
INPUT SELECTOR
VOLUME CONTROL
1 2 3 4 5 6 7 8 9 0 +10 AUTO DIRECT MEMORY
DOLBY SURROUND PRO LOGIC
THEATER LOGIC
DOLBY PRO LOGIC
DOLBY 3 STEREO
BYPASS
LINE STRAIGHT
P.CALL
BAND
TUNING
TAPE 2 (MONITOR)
PHONES
A SPEAKERS B
LOUDNESS
CENTER MODE
– CENTER LEVEL +
– REAR LEVEL +
– DELAY TIME +
BASS
TREBLE
BALANCE

Knob(POWER) (K29-6039-02)
Panel * (A60-)
Metallic cabinet (A01-3194-01)
Dressing plate * (B03-)
Knob(10KEY) (K29-6039-02)
Knob(INPUT SELECTOR) (K29-6043-04)
Knob assy(VOLUME) (K29-5859-04)
Phone jack (PHONES) (E11-0127-05)
Foot * (J02-)
Knob (K29-6073-12)
Knob(BASS) (K29-6041-04)
Knob(TREBLE) (K29-6041-04)
Knob(BALANCE) (K29-6127-04)


EMPHASIS
CHANNEL SPACE
AM
GND
FM 75Ω
ANTENNA
PHONO
VIDEO 2 PLAY IN
REC OUT
VIDEO 1 PLAY IN
REC
TAPE 2
PLAY
REC
TAPE 1
PLAY
CD
SYSTEM CONTROL
MONITOR OUT
LESS THAN 8Ω
8Ω OR MORE
IMPEDANCE SELECTOR
FRONT SPEAKERS
CENTER SPEAKER
REAR SPEAKERS
KENWOOD KR-V6070
AUDIO VIDEO STEREO RECEIVER
KENWOOD CORPORATION
SERIAL NO.
CAUTION
ATTENTION
AC 110-120V
AC 220-240V
SWITCHED TOTAL 90W MAX.

Slide switch(CH SPACE) (S62-0034-05)
Miniature phone jack (2P S. CON) (E11-0188-05)
Phono jack (4P VIDEO 1 / 2 / M. OUT) (E63-0069-15)
AC outlet * (E03-)
Slide switch * (AC VOLTAGE SEL) (S31-3010-05)
Power cord bushing (J42-0083-05)
Phono jack (E63-0068-15)
Slide switch (IMPEDANCE SEL) (S31-2132-05)
Lock terminal board (8P FRONT SP) (E70-0047-05)
Lock terminal board (6P REAR/ CENT) (E70-0046-05)
AC power cord * (E30-)
Lock terminal board (ANTENNA) (E20-0321-05)
Phono jack (8P CD / TAPE / VIDEO) (E63-0070-15)

* Refer to parts list on page 41.

KR-V6070

CONTENTS

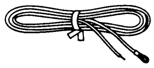
REMOTE CONTROL UNIT 3
BLOCK DIAGRAM 5
DISASSEMBLY FOR REPAIR 7
CIRCUIT DESCRIPTION 8
ADJUSTMENT/AJUSTES 15
WIRING DIAGRAM 17
PC BOARD(Component side view)
TUNER UNIT 19
AUDIO UNIT 21
DISPLAY UNIT 25
SCHEMATIC DIAGRAM 27
EXPLODED VIEW 39
PARTS LIST 41
SPECIFICATIONS .... BACK COVER

DESTINATION AND UNIT NO.

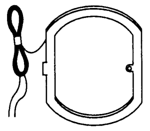
	UNIT NO.	Destination
TUNER UNIT	X05-4460-13	K, P
	X05-4460-23	Y, M
	X05-4460-73	X
	X05-4532-70	T, E, G
AUDIO UNIT	X09-4090-10	K, P
	X09-4090-21	M
	X09-4090-71	X
	X09-4092-91	Y
	X09-4090-51	T
	X09-4092-71	E, G
DISPLAY UNIT	X14-3980-10	K, P
	X14-3980-21	Y, M
	X14-3980-71	X
	X14-3982-71	T, E, G

ACCESSORIES

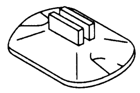
FM indoor antenna (1)
(T90-0801-05)



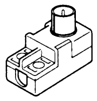
AM loop antenna assy (1)
(T90-0195-05)



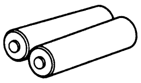
Loop antenna stand
(J19-3645-05)



Antenna adaptor (1)
(T90-0198-05)

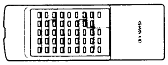


Batteries (R6/AA) (2)



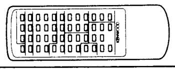
K, P, M, X, Y only

Remote control unit (1)
(A70-0962-15):RC-R0702
BATTERY COVER:
(A09-0146-08)

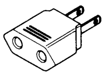


E, T, G only

Remote control unit (1)
(A70-1006-05):RC-R0602
BATTERY COVER:
(A09-0194-08)



AC plug adaptor (1)
(E03-0115-05):M only



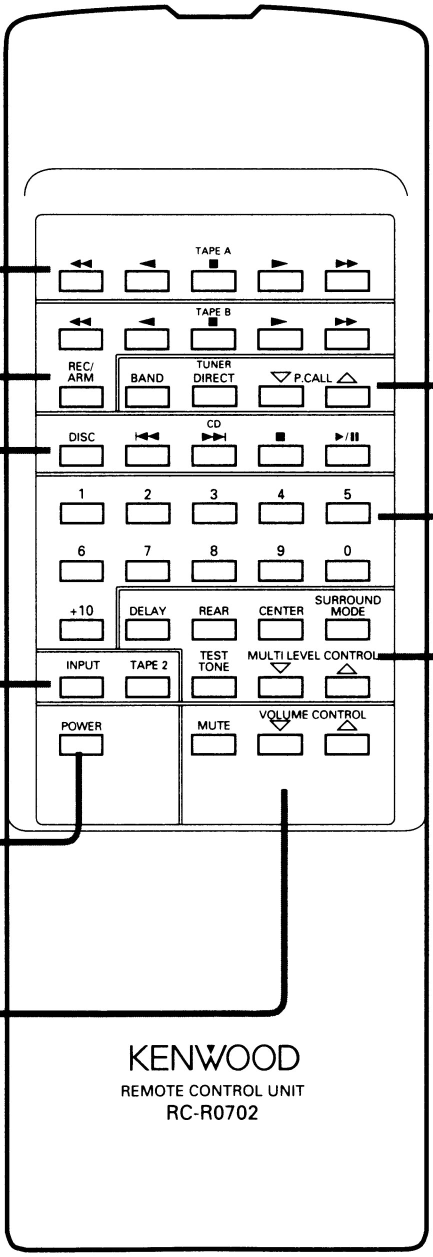
INSTRUCTION MANUAL

	Parts No.	Destination
ENGLISH	B60-1938-00	K, Y, X, M, P
ENGLISH	B60-1939-00	T, E
FRENCH	B60-1940-00	P
CHINESE	B60-1941-00	M
SPANISH	B60-1944-00	E
TIWANESE	B60-2132-00	M
GERMANY/DUTCH	B60-1942-00	E, G
FINN/ITALIAN	B60-1945-00	E

REMOTE CONTROL UNIT

This unit's remote control can operate KENWOOD cassette decks or CD players when they are connected by the SYSTEM CONTROL. For details regarding the component's functions, please refer to the operation manual for that unit.

[K, R, P, Y, M, X type]


TAPE A
TAPE B
REC/ ARM
BAND
TUNER DIRECT
▽ P.CALL △
DISC
CD
1
2
3
4
5
6
7
8
9
0
+10
DELAY
REAR
CENTER
SURROUND MODE
INPUT
TAPE 2
TEST TONE
MULTI LEVEL CONTROL
POWER
MUTE
VOLUME CONTROL
KENWOOD
REMOTE CONTROL UNIT
RC-R0702

Cassette Deck Operation keys
Use to operate both TAPE A and TAPE B of a double cassette deck. To operate a single cassette deck, use only the TAPE B keys.

CD player operation keys
DISC: This key is used as the disc selector of a multi-CD player. Each press selects a different disc.

INPUT key
Selects the input sources.
TAPE 2 key
Press to monitor the source being recorded.

POWER key

MUTE key
Mutes the sound temporarily.
VOLUME CONTROL keys
Adjust the listening volume.

TUNER operation keys
BAND:
Selects the broadcast band.
DIRECT:
Used in combination with the numeric keys for direct tuning of stations.
P.CALL:
Recalls preset stations.

Numeric keys
When the CD input is selected, function as the numeric keys of the CD player. When the TUNER input is selected, function as the numeric keys of the tuner.

SURROUND keys
DELAY + MULTI LEVEL CONTROL:
This combination adjusts the delay time.
REAR + MULTI LEVEL CONTROL:
Adjusts the rear level.
CENTER + MULTI LEVEL CONTROL:
Adjusts the center level.
SURROUND MODE:
Switches the surround modes.
TEST TONE:
Switches the test tone ON and OFF.

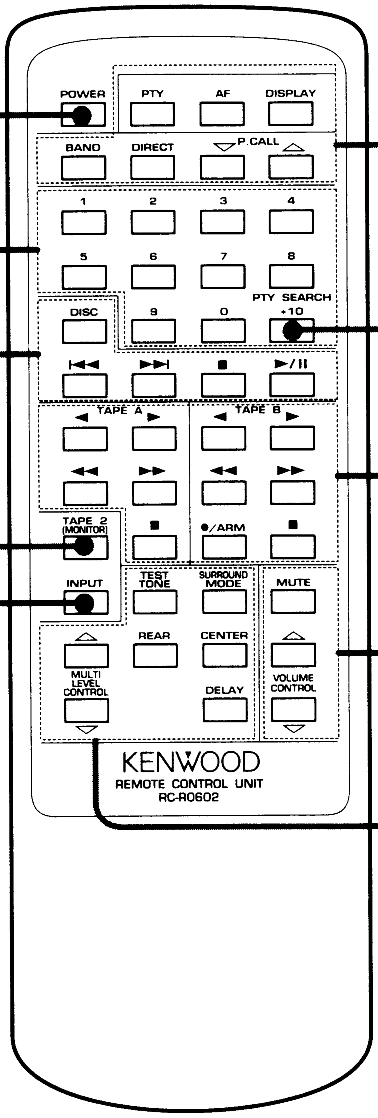
Model: RC-R0702
Infrared ray system

KR-V6070

REMOTE CONTROL UNIT

This unit's remote control can operate KENWOOD cassette decks or CD players when they are connected by the SYSTEM CONTROL. For details regarding the component's functions, please refer to the operation manual for that unit.

[E, T, G type]


POWER
PTY
AF
DISPLAY
BAND
DIRECT
P.CALL
1
2
3
4
5
6
7
8
PTY SEARCH
DISC
9
0
+10
|◄◄
►►|
■
►/II
TAPE A
TAPE B
◄◄
►►
TAPE 2 (MONITOR)
■
●/ARM
INPUT
TEST TONE
SURROUND MODE
MUTE
REAR
CENTER
MULTI LEVEL CONTROL
DELAY
VOLUME CONTROL
KENWOOD
REMOTE CONTROL UNIT
RC-R0602

POWER key

Numeric keys
When the CD input is selected, function as the numeric keys of the CD player. When the TUNER input is selected, function as the numeric keys of the tuner.

CD player operation keys
DISC: This key is used as the disc selector of a multi-CD player. Each press selects a different disc.

TAPE 2 (MONITOR) key
Press to monitor the source being recorded.

INPUT key
Selects the input sources.

TUNER operation keys
PTY/AF/DISPLAY:
Used in reception of RDS broadcasting.
BAND:
Selects the broadcast band.
DIRECT:
Used in combination with the numeric keys for direct tuning of stations.
P.CALL:
Recalls preset stations.

PTY SEARCH key
For use when receiving RDS broadcasts.

Cassette Deck Operation keys
Use to operate both TAPE A and TAPE B of a double cassette deck. To operate a single cassette deck, use only the TAPE B keys.

MUTE key
Mutes the sound temporarily.
VOLUME CONTROL keys
Adjust the listening volume.

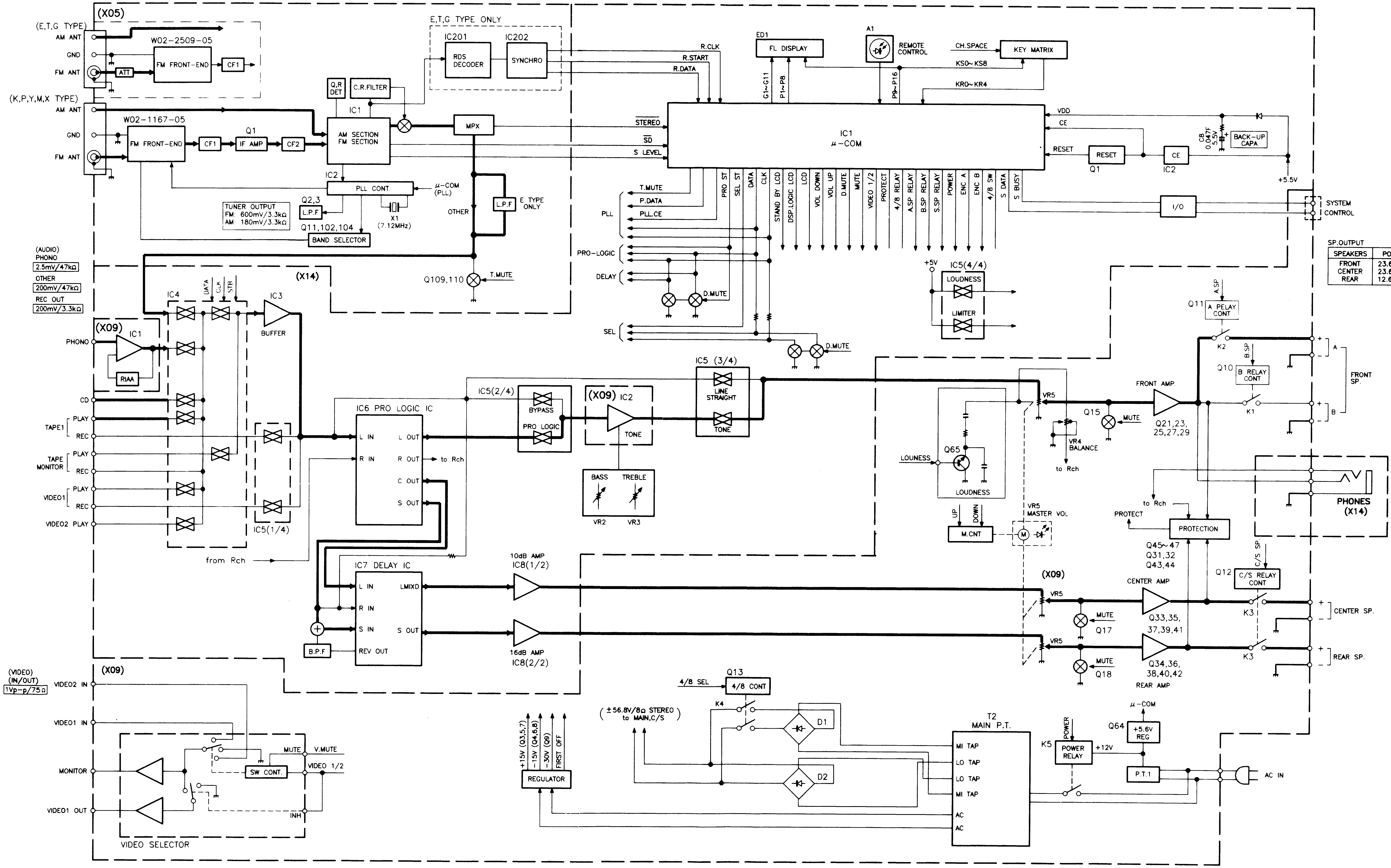
SURROUND keys
TEST TONE:
Switches the test tone ON and OFF.
SURROUND MODE:
Switches the surround modes.
REAR + MULTI LEVEL CONTROL:
This combination adjusts the rear level.
CENTER + MULTI LEVEL CONTROL:
Adjusts the center level.
DELAY + MULTI LEVEL CONTROL:
Adjusts the delay time.

Model: RC-R0602
Infrared ray system

KR-V6070

KR-V6070

BLOCK DIAGRAM


(X05)
(E,T,G TYPE)
AM ANT
GND
FM ANT
W02-2509-05
FM FRONT-END
CF1
ATT
(K,P,Y,M,X TYPE)
W02-1167-05
Q1
IF AMP
CF2
E,T,G TYPE ONLY
IC201
IC202
RDS DECODER
SYNCHRO
Q,R DET
C.R.FILTER
IC1
AM SECTION FM SECTION
MPX
IC2
PLL CONT
μ-COM (PLL)
X1 (7.12MHz)
Q2,3
L.P.F
Q11,102,104
BAND SELECTOR
TUNER OUTPUT FM: 600mV/3.3kΩ AM: 180mV/3.3kΩ
OTHER
L.P.F
E TYPE ONLY
Q109,110
T.MUTE
R.CLK
R.START
R.DATA
STEREO
SD
S LEVEL
ED1
FL DISPLAY
G1~G11
P1~P8
A1
REMOTE CONTROL
P9~P16
CH.SPACE
KEY MATRIX
KS0~KS8
KR0~KR4
IC1
μ-COM
VDD
CE
RESET
RESET
Q1
CE
IC2
C8 0.047F 5.5V
BACK-UP CAPA
+5.5V
T.MUTE
P.DATA
PLL.CE
PLL
PRO ST
SEL ST
DATA
CLK
STAND BY LCD
DSP.LOGIC LCD
LCD
VOL DOWN
VOL UP
D.MUTE
MUTE
VIDEO 1/2
PROTECT
4/8 RELAY
A.SP RELAY
B.SP RELAY
S.SP RELAY
POWER
ENC A
ENC B
4/8 SW
S DATA
S BUSY
I/O
SYSTEM CONTROL
PRO-LOGIC
DELAY
D.MUTE
SEL
D.MUTE
+5V
IC5(4/4)
LOUDNESS
LIMITER
(AUDIO)
PHONO 2.5mV/47kΩ
OTHER 200mV/47kΩ
REC OUT 200mV/3.3kΩ
(X14)
IC4
DATA
CLK
STB
IC3
BUFFER
(X09)
IC1
PHONO
RIAA
CD
TAPE1 PLAY
REC
TAPE MONITOR PLAY
REC
VIDEO1 PLAY
REC
VIDEO2 PLAY
IC5(1/4)
from Rch
IC6 PRO LOGIC IC
L IN
R IN
L OUT
R OUT
to Rch
C OUT
S OUT
IC5(2/4)
BYPASS
PRO LOGIC
(X09) IC2
TONE
BASS
TREBLE
VR2
VR3
IC5 (3/4)
LINE STRAIGHT
TONE
IC7 DELAY IC
L IN
R IN
S IN
REV OUT
LMIXD
S OUT
B.P.F
10dB AMP IC8(1/2)
16dB AMP IC8(2/2)
Q11
A.SP
A PELAY CONT
K2
B.SP
Q10
B RELAY CONT
FRONT AMP
VR5
Q15
MUTE
Q21,23,25,27,29
K1
FRONT SP.
A
B
VR4 BALANCE
to Rch
LOUNESS
Q65
LOUDNESS
UP
DOWN
M.CNT
VR5 MASTER VOL
to Rch
PROTECT
PROTECTION
PHONES (X14)
Q45~47
Q31,32
Q43,44
(X09)
CENTER AMP
Q12
C/S SP
C/S RELAY CONT
VR5
MUTE
Q17
Q33,35,37,39,41
K3
CENTER SP.
VR5
MUTE
Q18
Q34,36,38,40,42
REAR AMP
K3
REAR SP.
(VIDEO) (IN/OUT) 1Vp-p/75Ω
(X09)
VIDEO2 IN
VIDEO1 IN
MONITOR
VIDEO1 OUT
MUTE
V.MUTE
SW CONT.
VIDEO 1/2
INH
VIDEO SELECTOR
+15V (Q3,5,7)
-15V (Q4,6,8)
-30V (Q9)
FIRST OFF
REGULATOR
(±56.8V/8Ω STEREO to MAIN,C/S)
4/8 SEL
Q13
4/8 CONT
K4
D1
D2
T2 MAIN P.T.
MI TAP
LO TAP
LO TAP
MI TAP
AC
AC
K5
POWER
POWER RELAY
+12V
Q64
μ-COM
+5.6V REG
P.T.1
AC IN

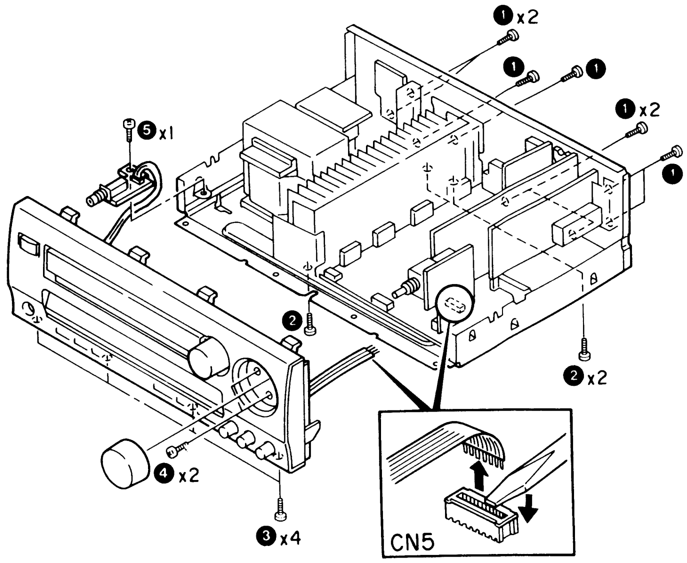
SP.OUTPUT

SPEAKERS	POWER
FRONT	23.66V/8Ω
CENTER	23.66V/8Ω
REAR	12.65V/8Ω

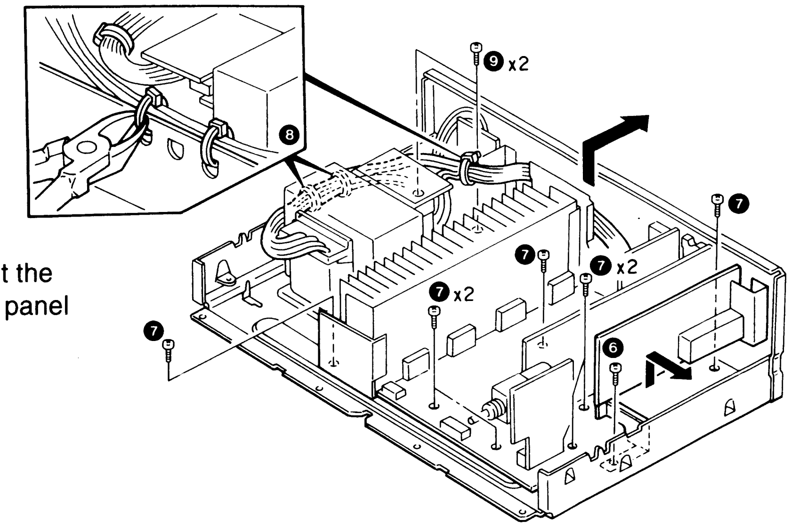
DISASSEMBLY FOR REPAIR

1. Remove the eleven screws (❶, ❷).

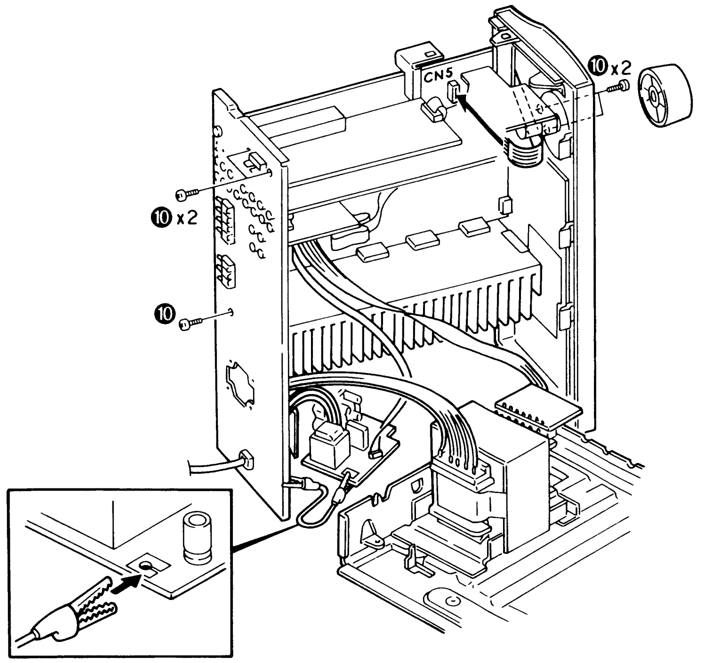
2. Remove the seven screws (❸, ❹, ❺), then remove the front panel. (Remove wiring harness from CN5.)



3. Remove the ten screws (❻, ❼, ❾) and cut the wire band (❽), then remove the PCB rear panel assembly (allow mark).



4. Assemble the five screws (❿), then stand the set with left side downward. (Connect the GND of the PCB (X09) (B/8) and the GND of rear panel with an alligator clip.)



CIRCUIT DESCRIPTION

1.Function description

TUNER

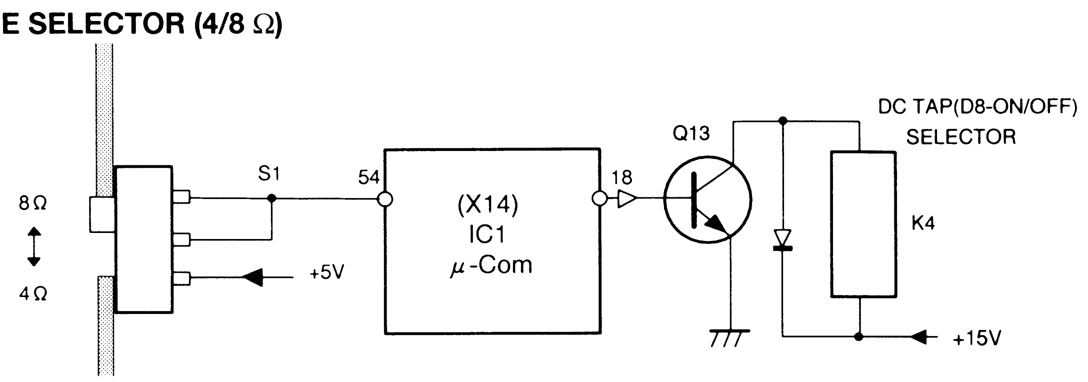
20 ch RANDOM PRESET
Turning control by IF count
Direct selection
RDS function (E, T type only)

AMP

① INPUT SELECTOR TAPE 2 ON TAPE 2 OFF	(CD TUNER PHONE TAPE1 VIDEO1 VIDEO2)
② VIDEO SELECTOR VIDEO 1 VIDEO 2	
③ LINE STRAIGHT	
④ SURROUND MODE	PRO LOGIC (NOR, WIDE, PHANTOM) 3 STEREO
	THEATER LOGIC
⑤ SURROUND FUNCTION CENTER MODE DELAY TIME CENTER LEVEL	
⑥ SPEAKER A/B SELECT	
* ⑦ IMPEDANCE SELECTOR (4/8Ω) *	

*⑦ INPEDANCE SELECTOR (4/8 Ω)

AUTO



AUTO

Speaker IMPEDANCE SELECTOR

Set the IMPEDANCE SELECTOR switch on the rear panel according to the impedance of the front speakers used. The center and rear speakers should have impedances from 8 to 16 ohms regardless of the position of this switch.

For surround play		For non-surround play	
Front speaker impedance	Selector position	Front speaker impedance	Selector position
A or B speakers 4Ω ~ 6Ω	LESS THAN 8Ω ▲ 8Ω OR MORE ▼ ⬆ IMPEDANCE SELECTOR	A or B speakers 4Ω ~ 6Ω	LESS THAN 8Ω ▲ 8Ω OR MORE ▼ ⬆ IMPEDANCE SELECTOR
A or B speakers 8Ω ~ 16Ω	LESS THAN 8Ω ▲ 8Ω OR MORE ▼ ⬇ IMPEDANCE SELECTOR	A or B speakers 8Ω ~ 16Ω A and B speakers 8Ω ~ 16Ω	LESS THAN 8Ω ▲ 8Ω OR MORE ▼ ⬇ IMPEDANCE SELECTOR

- It is not possible to use both A and B speaker systems for surround play.
- It is not possible to use both A and B speaker systems if speakers have impedances from 4 ohms to 6 ohms.

CIRCUIT DESCRIPTION

2. Conditions according to the destination and model

TUNER

Destination	DIODE SW			BAND	Receiving Remarks	Channel Space	IF	Reference Frequency
	DSW2 D23	DSW1 D24	DSW0 D25					
K1 (1700)	0	0	0	FM	87.5 MHz ~ 108.0 MHz	100 kHz	+10.7 MHz	50 kHz
				AM	530 kHz ~ 1700 kHz	10 kHz	+450 kHz	10 kHz
K2 (1610)	0	0	1	FM	87.5 MHz ~ 108.0 MHz	100 kHz	+10.7 MHz	50 kHz
				AM	530 kHz ~ 1610 kHz	10 kHz	+450 kHz	10 kHz
E1	0	1	1	FM	87.5 MHz ~ 108.0 MHz	50 kHz	+10.7 MHz	50 kHz
				AM	531 kHz ~ 1602 kHz	9 kHz	+450 kHz	9 kHz
E3 (RDS)	1	0	1	FM	87.5 MHz ~ 108.0 MHz	50 kHz	+10.7 MHz	50 kHz
				AM	531 kHz ~ 1602 kHz	9 kHz	+450 kHz	9 kHz
M	0	X	1	K2/E1 changes by only setting "DSW1". (DSW1 = 0: K2 Type, 1: E1 type)				

* DIODE SW (DSWX): 0 = Without DIODE (when static, input LOW)
1 = With DIODE (when static, input HIGH)
X = TRANSISTOR SW (0 = OFF 1 = ON)

AMP

MODEL	DIODE SW	DSW 4	DSW 3	Surround function	IMPEDANCE SELECTOR (4/8Ω)
	Ref. No.		D22		
KR-V6070		0	1	PRO-LOGIC, 3 STEREO, THEATER LOGIC	AUTO

0: NO DIODE 1: ADD DIODE

CIRCUIT DESCRIPTION

3. Function initial setting

① POWER OFF

② AMP system

• AUDIO SELECTOR	TUNER
• IMAGE SELECTOR	VIDEO 1
• SPEAKER A	ON
• SPEAKER B	OFF
• TAPE 2 MONITOR	OFF
• LINE STRAIGHT	OFF
• LOUDNESS	OFF

③ TUNER system

• BAND	FM
• FREQUENCY	Lower limit of FM (87.5 MHz)
• TUNING MODE	AUTO TUNING (AUTO STEREO)
• P. CH DISPLAY	——ch

④ SURROUND system

• MODE	BYPASS (OFF)
• CENTER LEVEL	0 dB
• REAR LEVEL	0 dB
• PROLOGIC MODE	NORMAL
• 3 STEREO MODE	NORMAL
• DSP MODE	ARENA
• PRESENCE LEVEL:	
DSP	−0 dB
THEATER LOGIC	−4 dB
• DELAY TIME:	
DOLBY PROLOGIC	20 ms
DSP	30 ms
THEATER LOGIC	30 ms

⑤ TEST PRESET FREQUENCY

	K1 TYPE	K2 TYPE	E TYPE
01 ch	FM 98.00 MHz	FM 98.00 MHz	FM 98.00 MHz
02 ch	FM 108.00 MHz	FM 108.00 MHz	FM 108.00 MHz
03 ch	AM 630 kHz	AM 630 kHz	AM 630 kHz
04 ch	AM 990 kHz	AM 990 kHz	AM 990 kHz
05 ch	AM 1440 kHz	AM 1440 kHz	AM 1440 kHz
06 ch	AM 1610 kHz	AM 1610 kHz	AM 1602 kHz
07 ch	AM 1700 kHz	FM 87.50 MHz	FM 87.50 MHz
08 ch	FM 87.50 MHz	FM 87.50 MHz	FM 87.50 MHz
09 ch	FM 87.50 MHz	FM 87.50 MHz	FM 87.50 MHz
10 ch	FM 89.10 MHz	FM 89.10 MHz	FM 89.10 MHz
11 ch	FM 87.50 MHz	FM 87.50 MHz	FM 87.50 MHz
12 ch	FM 90.00 MHz	FM 90.00 MHz	FM 90.00 MHz
13 ch	FM 106.00 MHz	FM 106.00 MHz	FM 106.00 MHz
14 ch	AM 530 kHz	AM 530 kHz	AM 531 kHz
15 ch	FM 87.50 MHz	FM 87.50 MHz	FM 87.50 MHz
16 ch	FM 87.50 MHz	FM 87.50 MHz	FM 87.50 MHz
17 ch	FM 87.50 MHz	FM 87.50 MHz	FM 87.50 MHz
18 ch	FM 87.50 MHz	FM 87.50 MHz	FM 87.50 MHz
19 ch	FM 87.50 MHz	FM 87.50 MHz	FM 87.50 MHz
20 ch	FM 87.50 MHz	FM 87.50 MHz	FM 87.50 MHz

The initial setting is performed in a following event:

1. **When backup memory data is destroyed when reset is applied to the microprocessor.**
2. **When the power cord is plugged in to the AC wall outlet while pressing the POWER key.**

CIRCUIT DESCRIPTION

4. TEST MODE

Setting method

Plug the power cord in the AC electrical outlet while depressing the "TUNING DOWN" key.

Cancellation method

Unplug the power cord from the AC electrical outlet.

Contents

① Starting the main unit test mode

When plug the power cord in the outlet while depressing the "TUNING DOWN" key, the test mode is entered which uses the main unit keys. At this time the following three actions occur:

- The power comes ON automatically.
- The fluorescent display and all LEDs illuminate.
- All conditions except POWER ON/OFF are initialized.

The all-illuminated state is cleared by pressing any main unit key. Also, any conditions changed during test mode are reinitialized when the test mode is cleared (by turning the AC power supply OFF).

② Automatic motor VR UP/DOWN (AMP)

Operating the "TAPE 2" key actuates the motor VR as follows: 16 seconds UP → 16 seconds DOWN → STOP. Accordingly, "TAPE 2 MONITOR" switching cannot be done during the main unit test mode.

③ Mute signal output (AMP)

No Selector MUTE (MUTE 1) control regulation is done whatsever.

④ 0 ~ 9, +10 testmode (TUNER)

a) When the +10 key is not operated, channels 1 through 9 (1 ~ 9 keys) and channel 10 (0 key) can be called.

b) When the +10 key is operated once, channels 11 through 19 (1 ~ 9 keys) and channel 20 (0 key) can be called.

c) When the +10 key is operated once more, the condition returns to that of a) above: "when the +10 key is not operated."

⑤ Operations that can only be done by remote control

a) AMP system: NONE

b) TUNER system: NONE

c) SURROUND system

"P. CH CALL" key: Same operation as the "CENTER MODE" key.

"DIRECT" key: Same operation as "TEST TONE" key.

- Naturally enugh, "P. CH CALL" "DIRECT" operation cannot be carried out.

⑥ During the test mode, because there is no 4/8 switching input status display, the fluorescent "SPEAKERS" display is substituted instead.

(4/8 = Light on/Light off) As a result, please be careful concerning illumination of "SPEAKERS" during the test mode.

⑦ Cancellating the main unit test mode

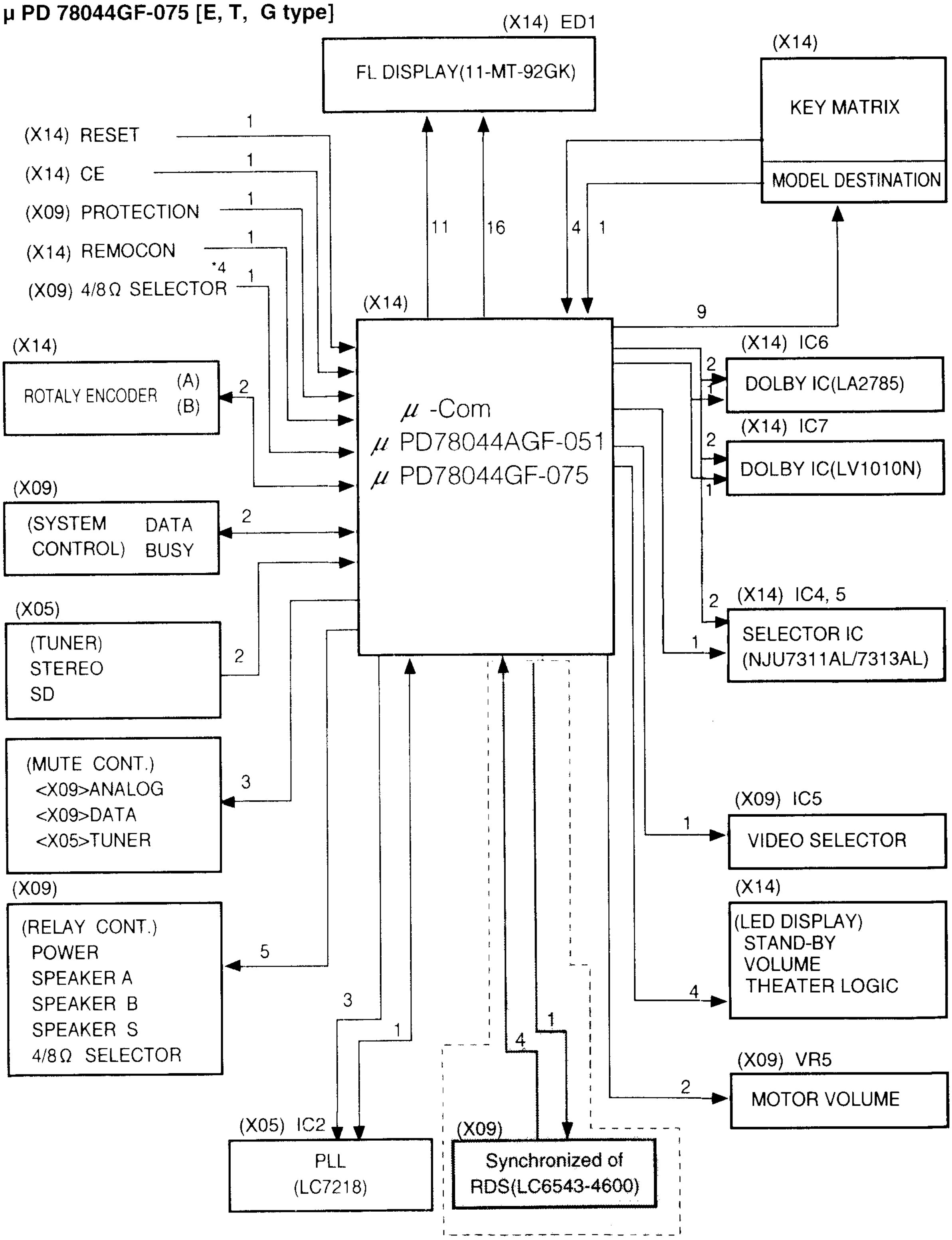
When the power cord unplug in the AC outlet during the main unit test mode, the test mode is cancelled and the initial condition restored.

CIRCUIT DESCRIPTION

5.Microprocessor : µPD78044AGF/µPD78044GF (X14 : IC1)

① Microprocessor periphery block diagram

µ PD 78044AGF-051 [K, P, M, X, Y type]
µ PD 78044GF-075 [E, T, G type]

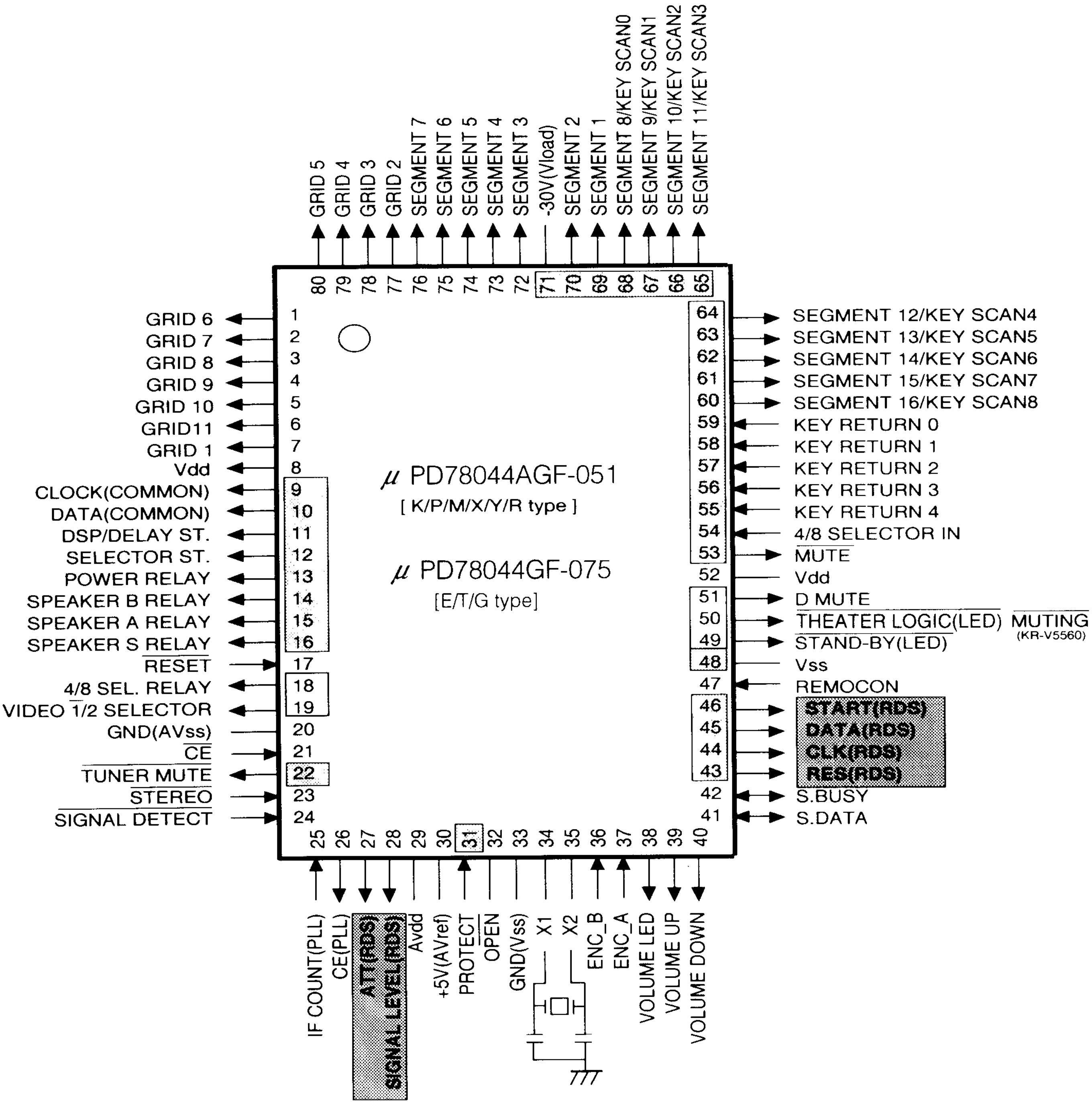

(X14) ED1
FL DISPLAY(11-MT-92GK)
(X14)
KEY MATRIX
MODEL DESTINATION
(X14) RESET
(X14) CE
(X09) PROTECTION
(X14) REMOCON
*4
(X09) 4/8Ω SELECTOR
1
1
1
1
1
11
16
4
1
9
(X14)
µ -Com
µ PD78044AGF-051
µ PD78044GF-075
(X14)
ROTALY ENCODER
(A)
(B)
2
(X09)
(SYSTEM CONTROL)
DATA
BUSY
2
(X05)
(TUNER)
STEREO
SD
2
(MUTE CONT.)
<X09>ANALOG
<X09>DATA
<X05>TUNER
3
(X09)
(RELAY CONT.)
POWER
SPEAKER A
SPEAKER B
SPEAKER S
4/8Ω SELECTOR
5
3
1
4
1
(X05) IC2
PLL
(LC7218)
(X09)
Synchronized of
RDS(LC6543-4600)
(X14) IC6
DOLBY IC(LA2785)
2
1
(X14) IC7
DOLBY IC(LV1010N)
2
1
(X14) IC4, 5
SELECTOR IC
(NJU7311AL/7313AL)
2
1
(X09) IC5
VIDEO SELECTOR
1
(X14)
(LED DISPLAY)
STAND-BY
VOLUME
THEATER LOGIC
4
(X09) VR5
MOTOR VOLUME
2

┆ ┆ : **µPD78044GF-075 ONLY**

CIRCUIT DESCRIPTION

② Port layout

µ PD 78044AGF-051 [K, P, M, X, Y type]
µ PD 78044GF-075 [E, T, G type]


µ PD78044AGF-051
[K/P/M/X/Y/R type]
µ PD78044GF-075
[E/T/G type]
1 GRID 6
2 GRID 7
3 GRID 8
4 GRID 9
5 GRID 10
6 GRID11
7 GRID 1
8 Vdd
9 CLOCK(COMMON)
10 DATA(COMMON)
11 DSP/DELAY ST.
12 SELECTOR ST.
13 POWER RELAY
14 SPEAKER B RELAY
15 SPEAKER A RELAY
16 SPEAKER S RELAY
17 RESET
18 4/8 SEL. RELAY
19 VIDEO 1/2 SELECTOR
20 GND(AVss)
21 CE
22 TUNER MUTE
23 STEREO
24 SIGNAL DETECT
25 IF COUNT(PLL)
26 CE(PLL)
27 ATT(RDS)
28 SIGNAL LEVEL(RDS)
29 Avdd
30 +5V(AVref)
31 PROTECT
32 OPEN
33 GND(Vss)
34 X1
35 X2
36 ENC_B
37 ENC_A
38 VOLUME LED
39 VOLUME UP
40 VOLUME DOWN
41 S.DATA
42 S.BUSY
43 RES(RDS)
44 CLK(RDS)
45 DATA(RDS)
46 START(RDS)
47 REMOCON
48 Vss
49 STAND-BY(LED)
50 THEATER LOGIC(LED) MUTING (KR-V5560)
51 D MUTE
52 Vdd
53 MUTE
54 4/8 SELECTOR IN
55 KEY RETURN 4
56 KEY RETURN 3
57 KEY RETURN 2
58 KEY RETURN 1
59 KEY RETURN 0
60 SEGMENT 16/KEY SCAN8
61 SEGMENT 15/KEY SCAN7
62 SEGMENT 14/KEY SCAN6
63 SEGMENT 13/KEY SCAN5
64 SEGMENT 12/KEY SCAN4
65 SEGMENT 11/KEY SCAN3
66 SEGMENT 10/KEY SCAN2
67 SEGMENT 9/KEY SCAN1
68 SEGMENT 8/KEY SCAN0
69 SEGMENT 1
70 SEGMENT 2
71 -30V(Vload)
72 SEGMENT 3
73 SEGMENT 4
74 SEGMENT 5
75 SEGMENT 6
76 SEGMENT 7
77 GRID 2
78 GRID 3
79 GRID 4
80 GRID 5

☐ PULL UP
☐ PULL DOWN

▨ : µPD78044GF-075 ONLY

CIRCUIT DESCRIPTION

③ Pin description

For pin numbers marked by an asterisk(*) the upper row is μPD78044AGF and the lower (▭) row is μPD78044GF.

Pin No.	μ-Com No.	Port I/O	Name	Description		
1		OUT	GRID 6	FL Grid 6		
2		OUT	GRID 7	FL Grid 7		
3		OUT	GRID 8	FL Grid 8		
4		OUT	GRID 9	FL Grid 9		
5		OUT	GRID 10	FL Grid 10		
6		OUT	GRID 11	FL Grid 11		
7		OUT	GRID 1	FL Grid 1		
8		-	Vdd	Microprocessor power supply		
9		OUT	CLOCK (COMMON)	Clock for control IC (ANALOG SW/PLL IC/DSP)		
10		OUT	DATA (COMMON)	Data for control IC (ANALOG SW/PLL IC/DSP)		
11		OUT	DSP/DELAY ST.	DSP IC Strobe for control (LA2785/LV1010)		
12		OUT	SELECTOR ST.	Strobe for control selector IC		
13		OUT	POWER RELAY	Power relay control	H: POWER ON	L: POWER OFF
14		OUT	SPEAKER B RELAY	Speaker B relay control	H: SP B ON	L: SP B OFF
15		OUT	SPEAKER A RELAY	Speaker A relay control	H: SP A ON	L: SP A OFF
16		OUT	SPEAKER S RELAY	Surround speaker relay control	H: SP S ON	L: SP S OFF
17		IN	RESET	Microprocessor reset		
18		OUT	4/8 CHANGEOVER RELAY	TAP control (KR-V6060 only)	H: HIGF TAP	L: LOW TAP
19		OUT	VIDEO 1/2 SELECTOR	VIDEO Selector	H: VIDEO 2	L: VIDEO 1
20		-	AVss	A/D power supply(GND)		
21		IN	CE	Microprocessor CE		
22		OUT	TUNER MUTE	TUNER MUTE control	H: MUTE OFF	L: MUTE ON
23		IN	STEREO	Stereo signal detection	H: MONORAL	L: STEREO
24		IN	SIGNAL DETECT	Synchronized signal detection	H: NO TUNED	L: TUNED
25		IN	IF COUNT(PLL)	IF COUNT Data (PLL DO)		
26		OUT	CE(PLL)	PLL CE		
*27	μPD78044AGF	OUT		Unused		
*27	μPD78044GF	OUT	ATT(RDS)	Atineter control		
*28	μPD78044AGF	OUT		Unused		
*28	μPD78044GF	OUT	SIGNAL LEVEL(RDS)	SIGNAL LEVEL (A/D)		
29		-	AVdd	A/D Power supply		
30		-	AVref	A/D Reference voltage (+5V)		
31		IN	PROTECT	Protection detection	H: PROTECTION	L: NORMAL
32		-	OPEN			
33		-	Vss	Microprocessor power supply(GND)		
34		IN	X1	4.19 MHz Oscillator		
35		OUT	X2	4.19 MHz Oscillator		
36		IN	ENC_B	Encoder input B		
37		IN	ENC_A	Encoder input A		
38		OUT	VOLUME LED	VOLUME LED control	H: LED OFF	L: LED ON
39		OUT	VOLUME UP	MOTOR VOLUME control (UP)		
40		OUT	VOLUME DOWN	MOTOR VOLUME control (DOWN)		
41		I/O	S.DATA	8 bit system DATA		

For pin numbers marked by an asterisk(*) the upper row is µPD78044AGF and the lower (▭) row is µPD78044GF.

Pin No.	µ-Com No.	Port I/O	Name	Description		
42		I/O	S.BUSY	8 bit system BUSY		
*43	µPD78044AGF	OUT		Unused		
*43	µPD78044GF	OUT	RES(RDS)	RDS Reset		
*44	µPD78044AGF	OUT		Unused		
*44	µPD78044GF	OUT	CLK(RDS)	RDS Clock		
*45	µPD78044AGF	OUT		Unused		
*45	µPD78044GF	OUT	DATA(RDS)	RDS Data		
*46	µPD78044AGF	OUT		Unused		
*46	µPD78044GF	OUT	START(RDS)	RDS Start		
47		IN	REMOCON	Remote control input		
48		-	GND			
49		OUT	STAND-BY(LED)	STAND-BY LED Control	H: LED OFF	L:LED ON
50		OUT	THEATER LOGIC(LED)	THEATER LOGIC LED Control	H: LED OFF	L: LED ON
51		OUT	D MUTE	DATA MUTE		
52		-	Vdd	Microprocessor power supply		
53		OUT	MUTE	Selector MUTE control	H: MUTE OFF	L: MUTE ON
54		IN	4/8 SELECTOR IN	Speaker inpedance changeover	H: 4Ω	L: 8Ω
55~59		IN	KR 4~0	Key return 4~0		
60~68		OUT	SEG 16~8/KS 8~0	FL Segment 16~8/key scan 8~0		
69, 70		OUT	SEG 1, 2	FL Segment 1, 2		
71		-	Vload	FL Driver power supply(- 30V)		
72~76		OUT	SEG 3~7	FL Segment 3~7		
77~80		OUT	GRID 2~5	FL Grid 2~5		

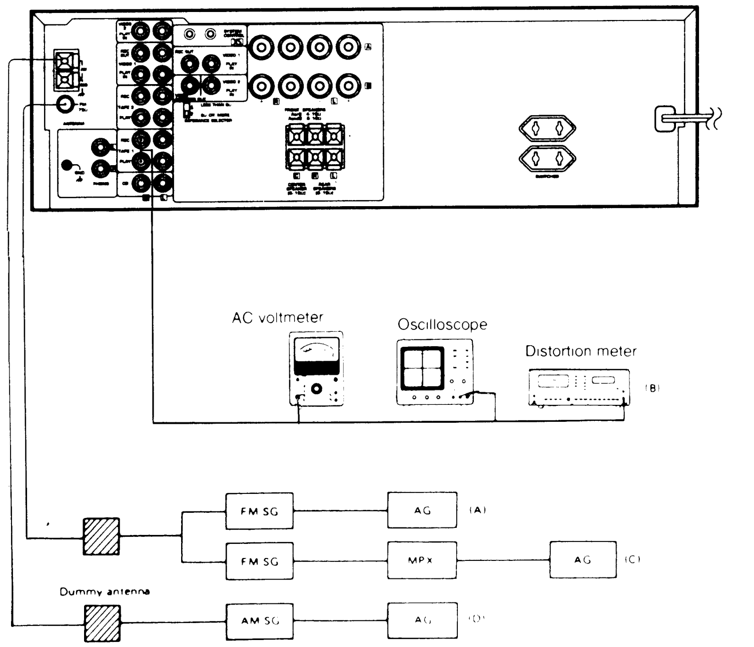
ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION (E, T, G type)		SELECTOR:FM					
1	DISCRIMINATOR	(A) 98.0MHz 1kHz,±40kHz dev.(E,T type) 60dBµ(ANT input)	Connect a DC voltmeter between TP3 and TP4 (X05-)	AUTO or MONO 98.0MHz	1.3 (X05-)	0V	(a)
2	DISTORTION (STEREO)	(C) 98.0MHz 1kHz,±40kHz dev. Pilot:±6kHz dev. (E,T type) 60dBµ(ANT input)	(B)	AUTO 98.0MHz	IFT (W02-)	Minimum distortion..	
AUDIO SECTION		SPEAKER:ON					
1	IDLE CURRENT	-	(E) Connect a DC voltmeter across CP1(L) CP2(R) CP3(CENTER) CP4(REAR)	Volume:0	VR1(L) VR2(R)	18mV	(b)
					VR3(CENTER) VR4(REAR) (X07-)	10mV	

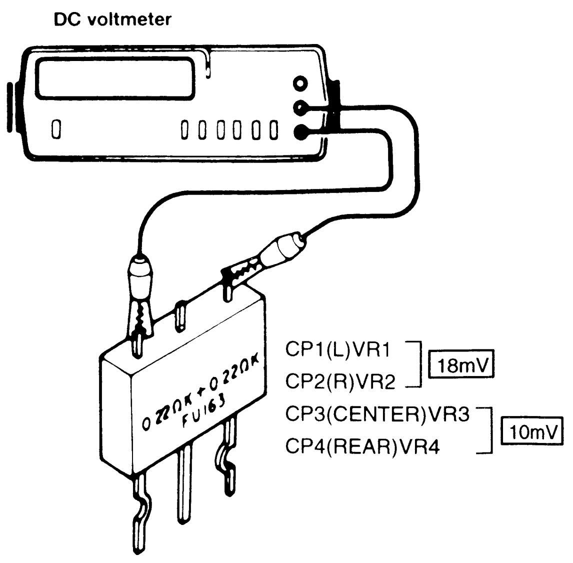
AJUSTES

Núm.	ÍTEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL SINTONIZADOR	PUNTOS DE ALINEACIÓN	ALINEACIÓN PARA	FIG.
SECCIÓN DE FM (E, T, G type)		SELECTOR;FM					
1	DISCRIMINADOR	(A) 98.0MHz 1kHz,±40kHz dev.(E,T type) 60dBµ(Entrada de antena)	Conecte un voltíbetro de CC entre TP3 y TP4 (X05-)	AUTO or MONO 98.0MHz	1.3 (X05-)	0V	(a)
2	DISTORSIÓN (ESTÉREO)	(C) 98.0MHz 1kHz,±40kHz dev. Pilot:±6kHz dev. (E,T type) 60dBµ(Entrada de antena)	(B)	AUTO 98.0MHz	IFT (W02-)	Distorsión mínima.	
A menos que se especifique otra cosa, los controles individuales deberán ajustrarse de la forma sigufiente: POWER:ON SPEAKER:ON							
1	OCIOSA CORRIENTE	-	Conecte un voltimetro de CC entre CP1(L) y CP2(R) y CP3(CENTER) y CP4(REAR)	Volume:0	VR1(L) VR2(R)	18mV	(b)
					VR3(CENTER) VR4(REAR) (X07-)	10mV	

(a)

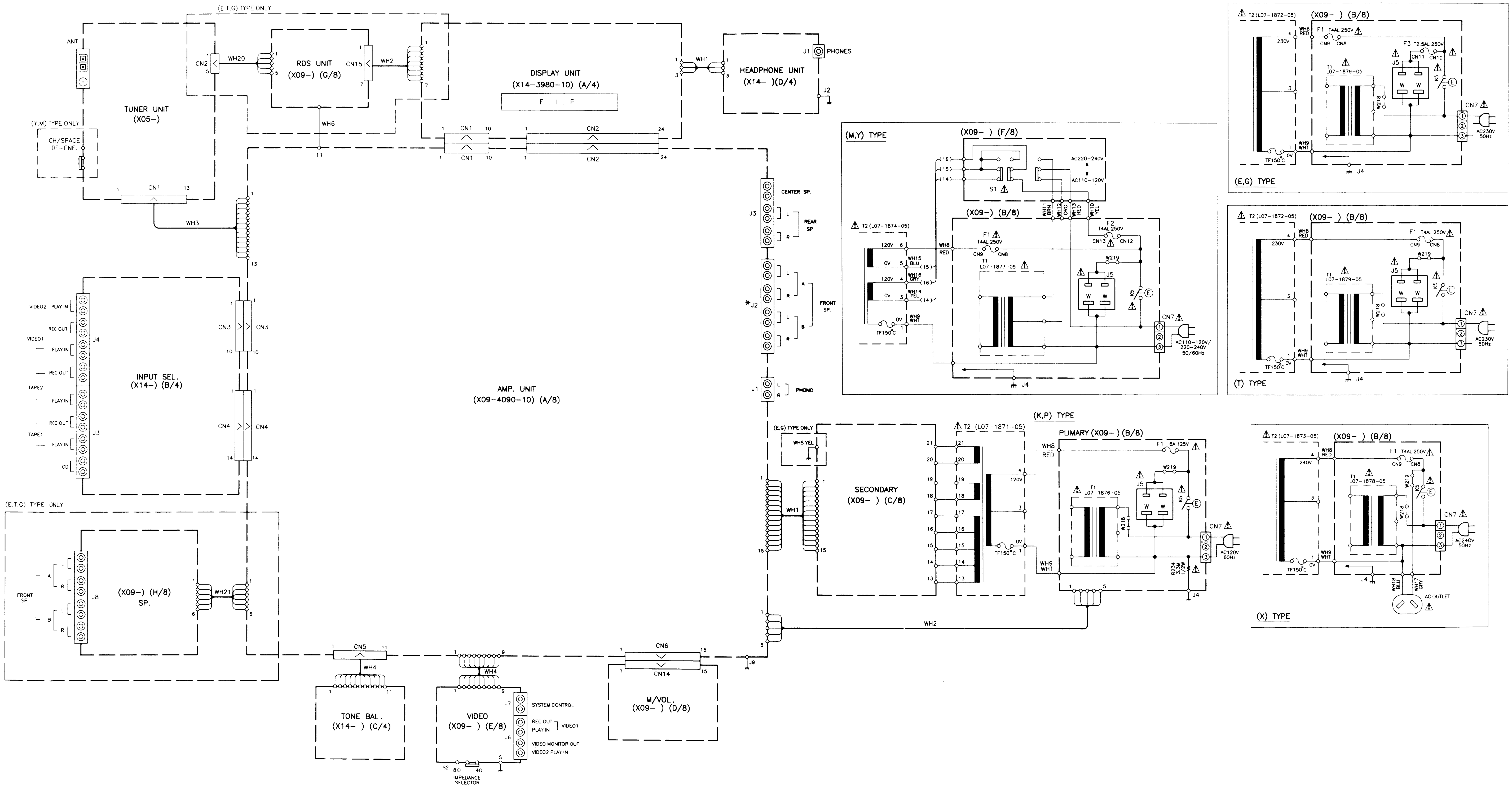


(b)



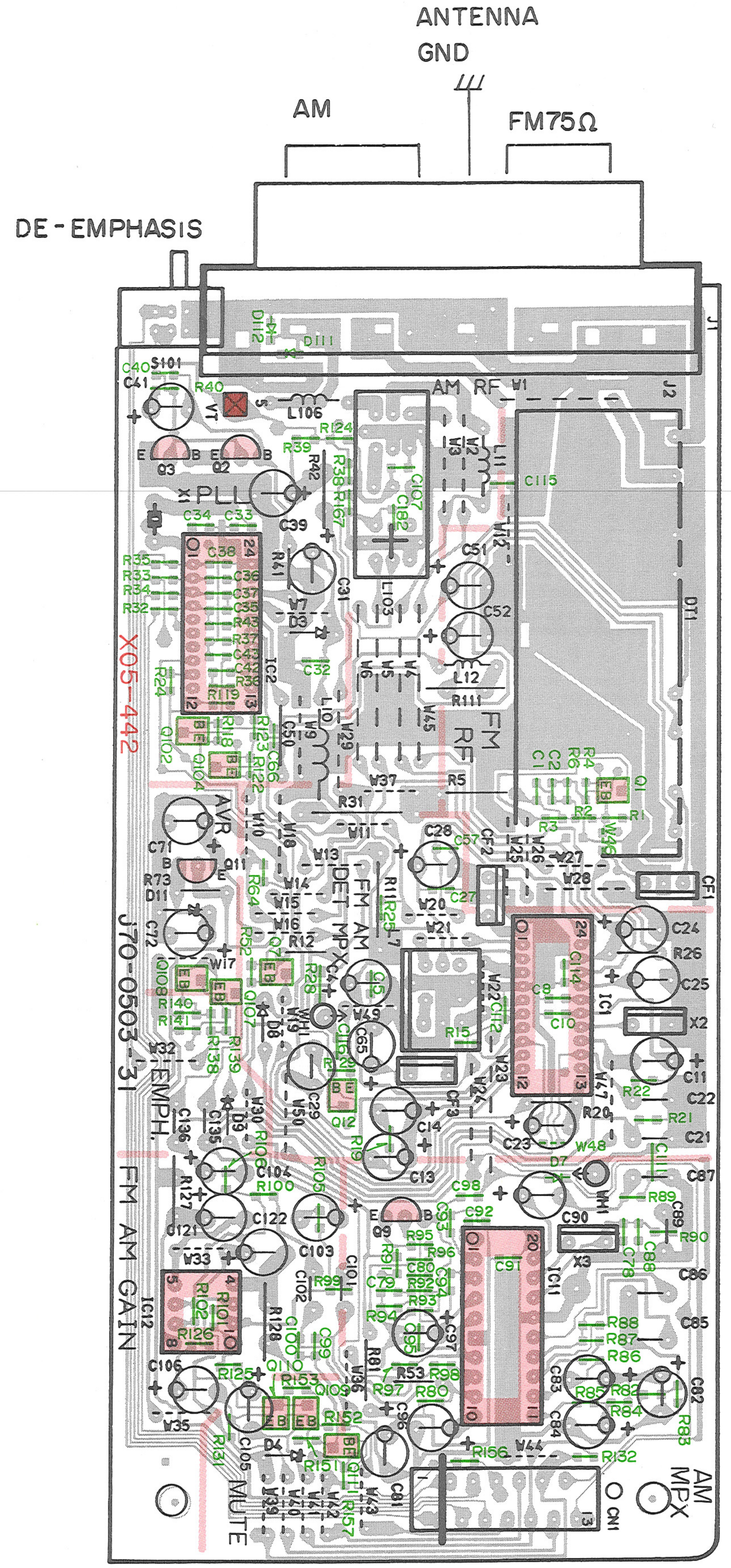
KR-V6070 KR-V6070

WIRING DIAGRAM


(E,T,G) TYPE ONLY
ANT
TUNER UNIT
(X05-)
(Y,M) TYPE ONLY
CH/SPACE
DE-ENF.
CN1
WH3
WH20
RDS UNIT
(X09-) (G/8)
CN2
CN15
WH2
WH6
DISPLAY UNIT
(X14-3980-10) (A/4)
F. I. P
WH1
HEADPHONE UNIT
(X14-)(D/4)
J1
PHONES
J2
CN1
CN2
CENTER SP.
J3
REAR SP.
FRONT SP.
PHONO
VIDEO2 PLAY IN
REC OUT
VIDEO1
PLAY IN
TAPE2
TAPE1
CD
J4
J3
INPUT SEL.
(X14-) (B/4)
CN3
CN4
AMP. UNIT
(X09-4090-10) (A/8)
(E,T,G) TYPE ONLY
FRONT SP
J8
(X09-) (H/8)
SP.
WH21
CN5
WH4
TONE BAL.
(X14-) (C/4)
VIDEO
(X09-) (E/8)
J7
SYSTEM CONTROL
REC OUT
PLAY IN
VIDEO1
J6
VIDEO MONITOR OUT
VIDEO2 PLAY IN
S2
8Ω
4Ω
IMPEDANCE SELECTOR
CN6
CN14
M/VOL.
(X09-) (D/8)
J9
(E,G) TYPE ONLY
WH5 YEL
SECONDARY
(X09-) (C/8)
WH1
WH2
(K,P) TYPE
T2 (L07-1871-05)
PLIMARY (X09-) (B/8)
WH8 RED
WH9 WHT
F1 6A 125V
W219
T1 L07-1876-05
J5
K5
E
W218
CN7
AC120V 60Hz
R234
J4
TF150°C
120V
0V
(M,Y) TYPE
(X09-) (F/8)
AC220-240V
AC110-120V
S1
T2 (L07-1874-05)
(X09-) (B/8)
WH11 BRN
WH12 ORG
WH13 RED
WH10 YEL
F2 T4AL 250V
CN13
CN12
F1 T4AL 250V
CN9
CN8
T1 L07-1877-05
WH15 BLU
WH16 GRY
WH14 YEL
AC110-120V/ 220-240V 50/60Hz
T2 (L07-1872-05)
(X09-) (B/8)
F1 T4AL 250V
F3 T2.5AL 250V
CN11
CN10
T1 L07-1879-05
230V
AC230V 50Hz
(E,G) TYPE
(T) TYPE
T2 (L07-1873-05)
240V
T1 L07-1878-05
AC240V 50Hz
WH18 BLU
WH17 GRY
AC OUTLET
(X) TYPE

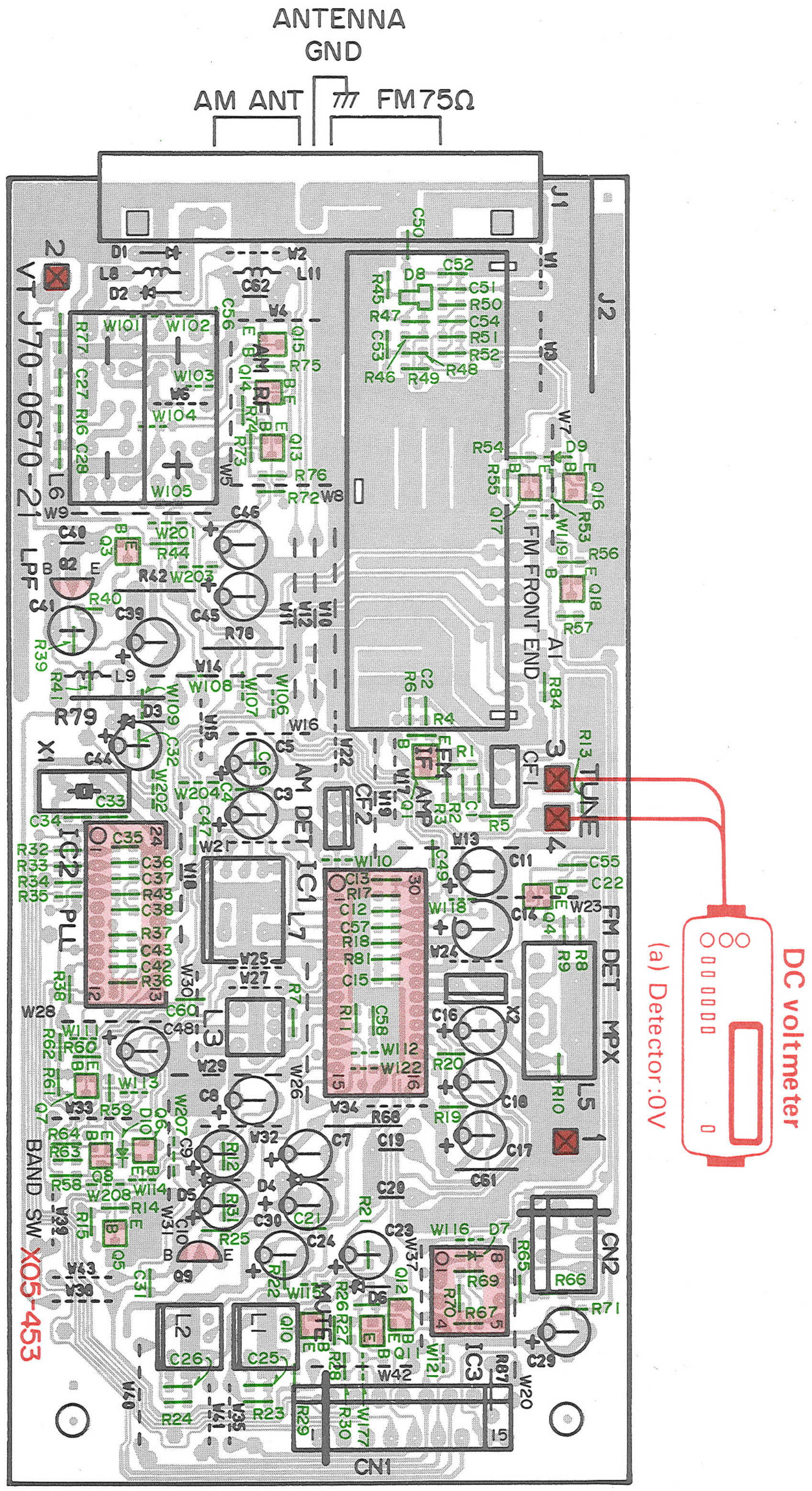
PC BOARD (Component side view)

TUNER UNIT (X05-4460-13):K,P,-23:Y,M,-73:X


ANTENNA
GND
AM
FM75Ω
DE-EMPHASIS
J1
J2
AM RF
PLL
IC2
FM RF
DT1
X05-442
AVR
DET
FM AM MPX
IC1
IC11
J70-0503-31
EMPH.
FM AM GAIN
IC12
MUTE
AM MPX
CN1

Refer to the schematic diagram for the values of resistors and capacitors.

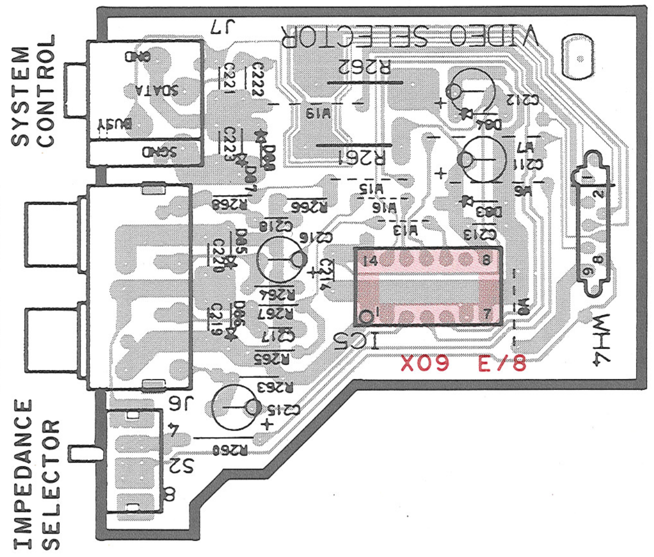
TUNER UNIT (X05-4532-70):T,E,G

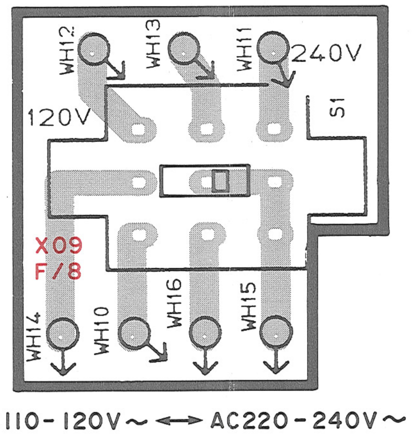

ANTENNA
GND
AM ANT
FM75Ω
J1
J2
VT-J70-0670-21
LPF
FM FRONT END
AM RF
AM DET
IC2 PLL
IC4
IF AMP
TUNE
FM DET
MPX
IC3
BAND SW
X05-453
CN1
CN2
DC voltmeter
(a) Detector :0V

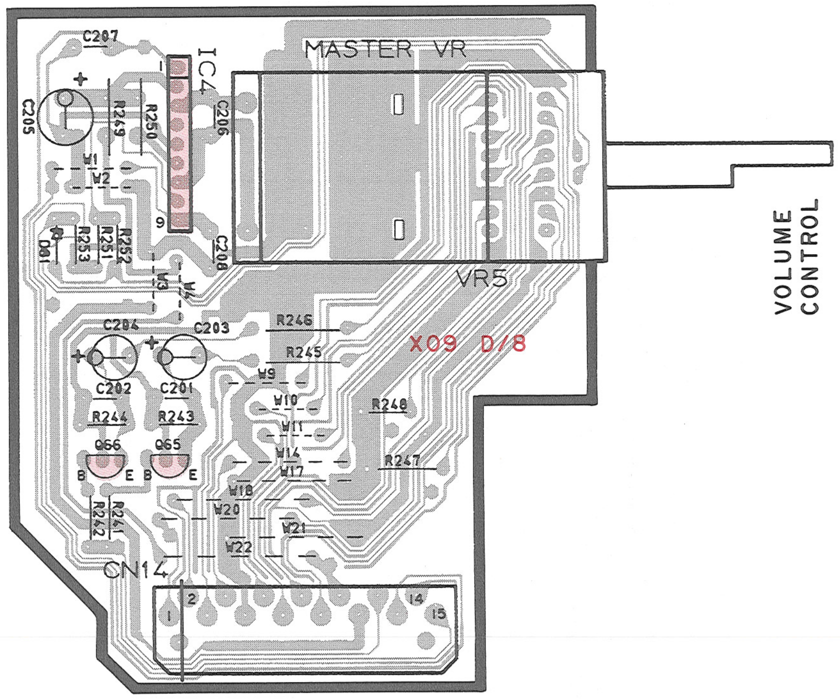
Refer to the schematic diagram for the values of resistors and capacitors.

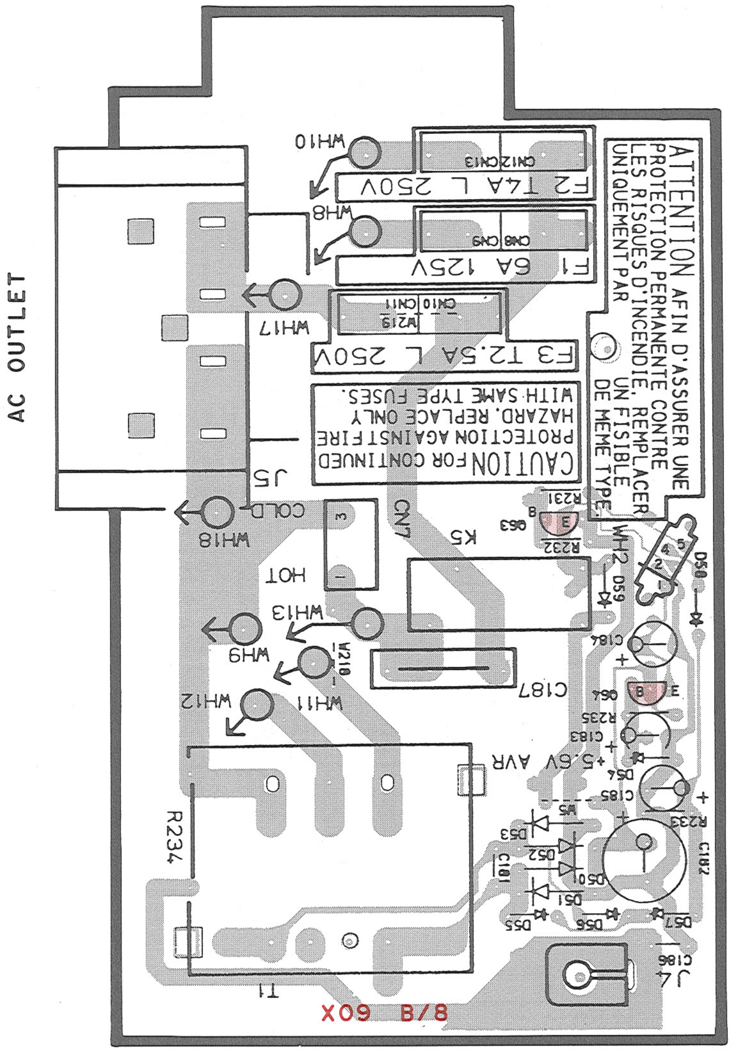
PC BOARD (Component side view)

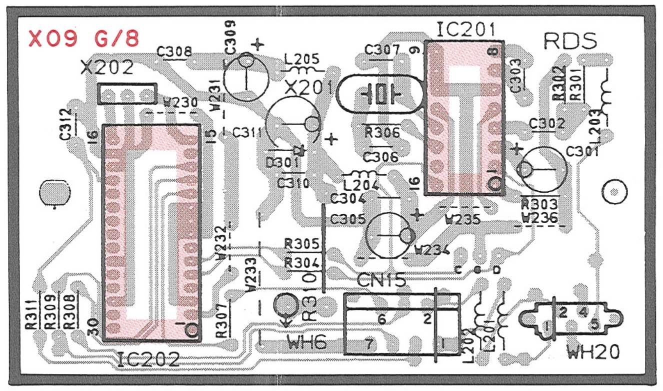
AUDIO UNIT (X09-4090-10):K,P,-21:M,-71:X,2-91:Y,-51:T,2-71:E,G

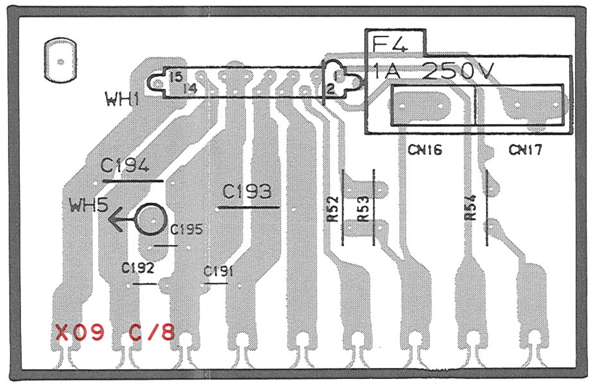

SYSTEM CONTROL
VIDEO1
VIDEO2
IMPEDANCE SELECTOR
VIDEO SELECTOR
J7
J6
S2
IC5
R261
R262
WH4
X09 E/8

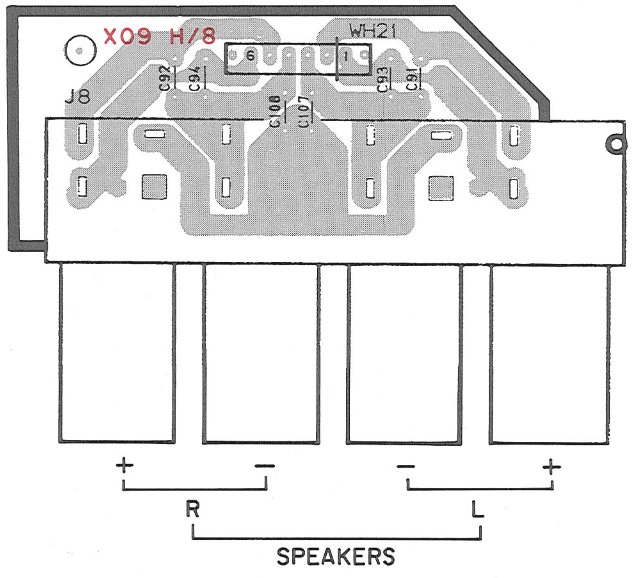

WH12
WH13
WH11
240V
120V
S1
X09 F/8
WH14
WH10
WH16
WH15
AC110-120V~ ↔ AC220-240V~


C207
IC4
MASTER VR
C205
VR5
X09 D/8
C204
C203
C202
C201
R246
R245
R248
R247
Q66
Q65
CN14
VOLUME CONTROL


AC OUTLET
WH10
F2 T4A L 250V
WH8
F1 6A 125V
WH17
F3 T2.5A L 250V
ATTENTION AFIN D'ASSURER UNE PROTECTION PERMANENTE CONTRE LES RISQUES D'INCENDIE, REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME TYPE.
CAUTION FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE FUSES.
J5
COLD
HOT
WH18
WH13
WH9
WH12
WH11
CN7
K5
C187
+5.6V AVR
R234
T1
J4
X09 B/8


X09 G/8
IC201
RDS
X202
X201
L205
C308
C309
C307
C312
C311
C306
C303
C302
C301
CN15
IC202
WH6
WH20

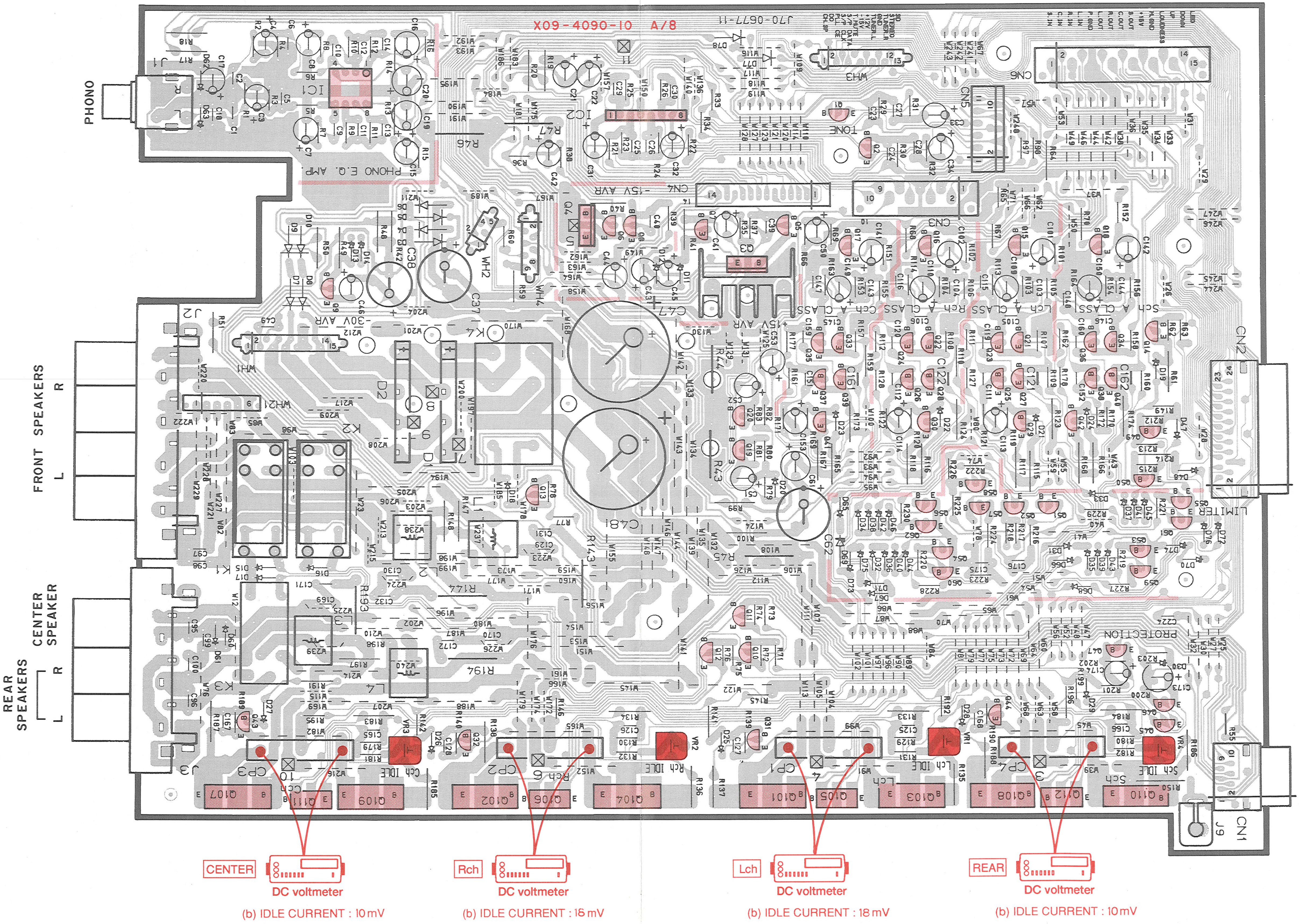

F4
1A 250V
WH1
CN16
CN17
C194
C193
WH5
C195
C192
C191
R52
R53
R54
X09 C/8


X09 H/8
WH21
J8
+
−
−
+
R
L
SPEAKERS

Refer to the schematic diagram for the values of resistors and capacitors.

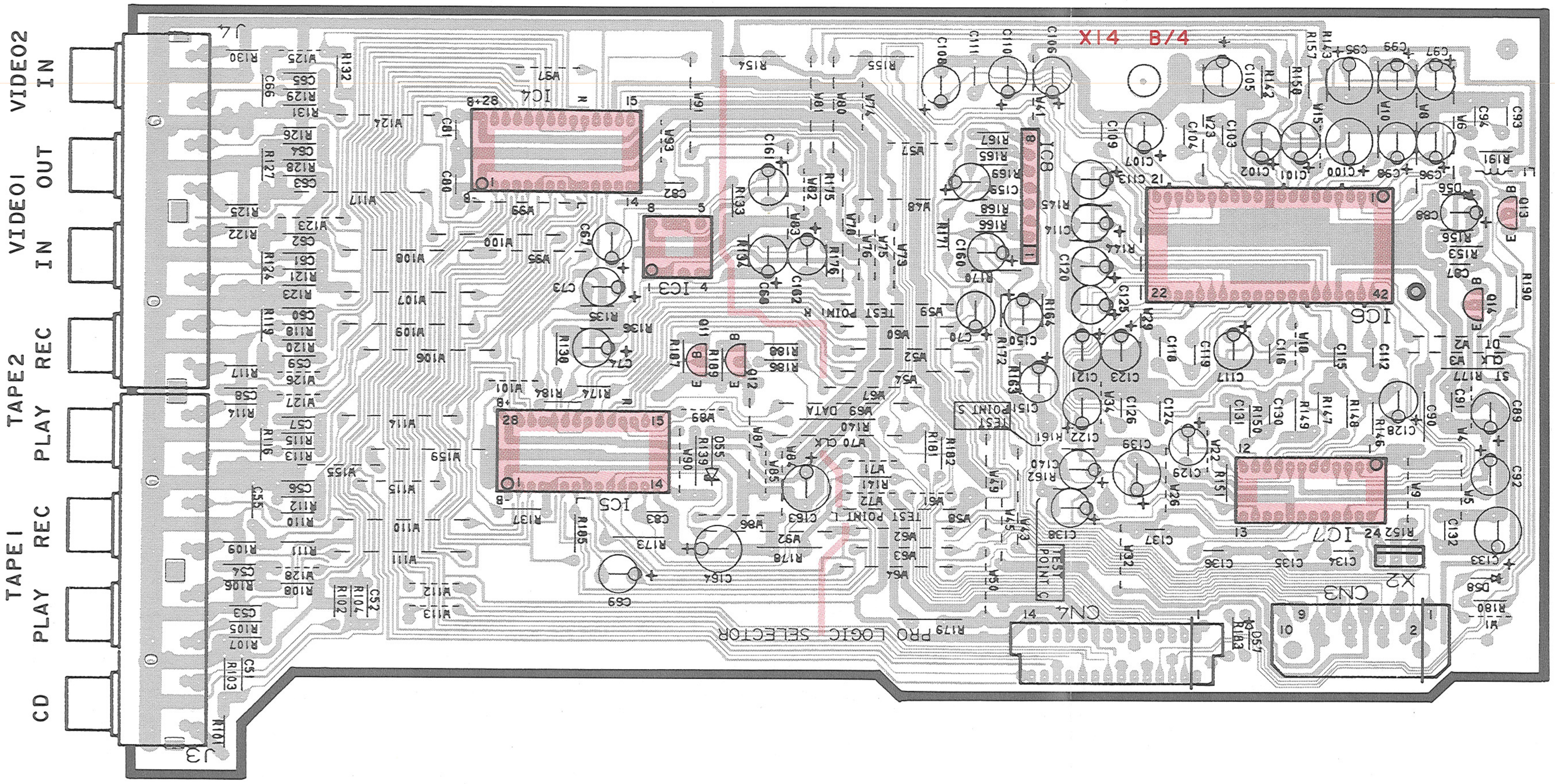
PC BOARD (Component side view)

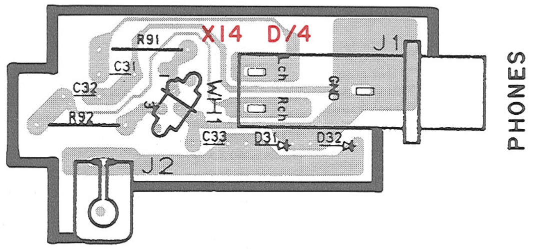
AUDIO UNIT (X09-4090-10):K,P,-21:M,-71:X,2-91:Y,-51:T,2-71:E,G

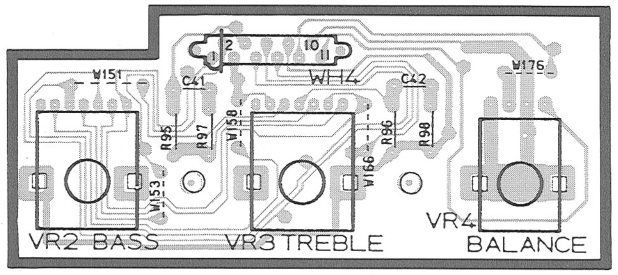

X09-4090-10 A/8
J70-0677-11
PHONO
PHONO E.Q. AMP.
TONE
-15V AVR
+15V AVR
-30V AVR
FRONT SPEAKERS R L
CENTER SPEAKER
REAR SPEAKERS R L
PROTECTION
LIMITER
CN1
CN2
CN3
CN4
CN5
CN6
J9
Sch A CLASS
Lch A CLASS
Rch A CLASS
Cch A CLASS
Cch IDLE
Rch IDLE
Lch IDLE
Sch IDLE
CP1
CP2
CP3
CP4
VR1
VR2
VR3
VR4
CENTER
Rch
Lch
REAR
DC voltmeter
(b) IDLE CURRENT : 10mV
DC voltmeter
(b) IDLE CURRENT : 18mV
DC voltmeter
(b) IDLE CURRENT : 18mV
DC voltmeter
(b) IDLE CURRENT : 10mV

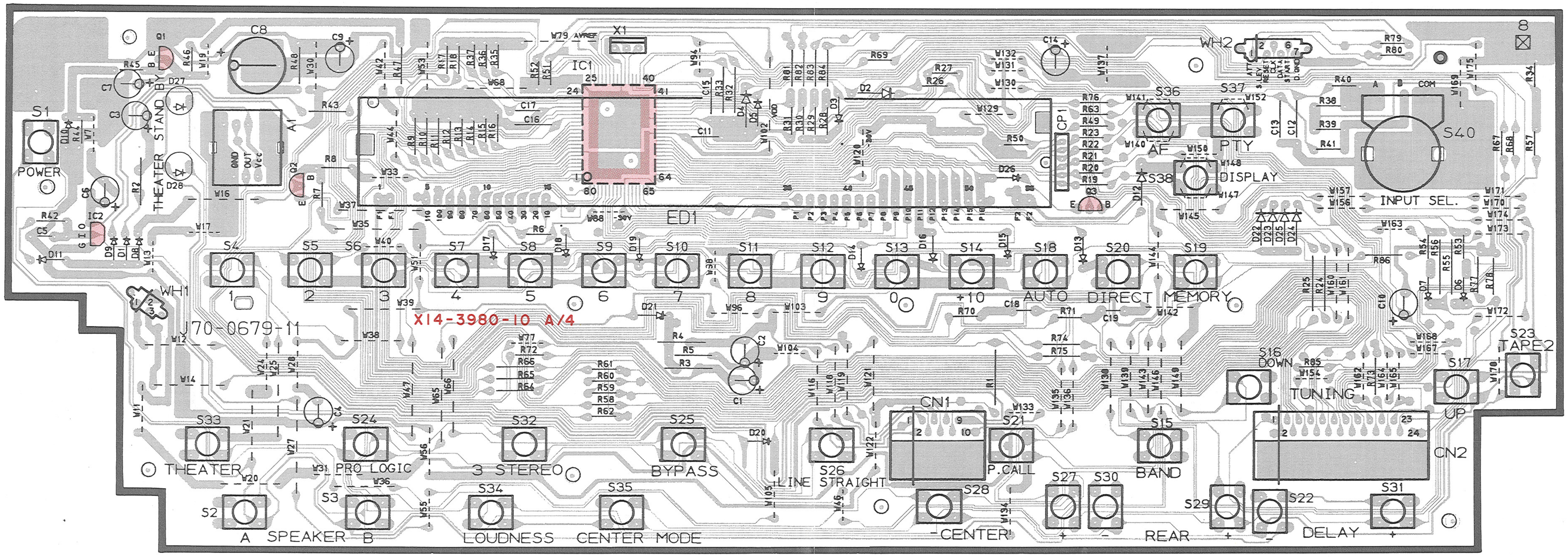
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (Component side view) DISPLAY UNIT (X14-3980-10):K,P,-21:Y,M,-71:X,2-71:T,E,G

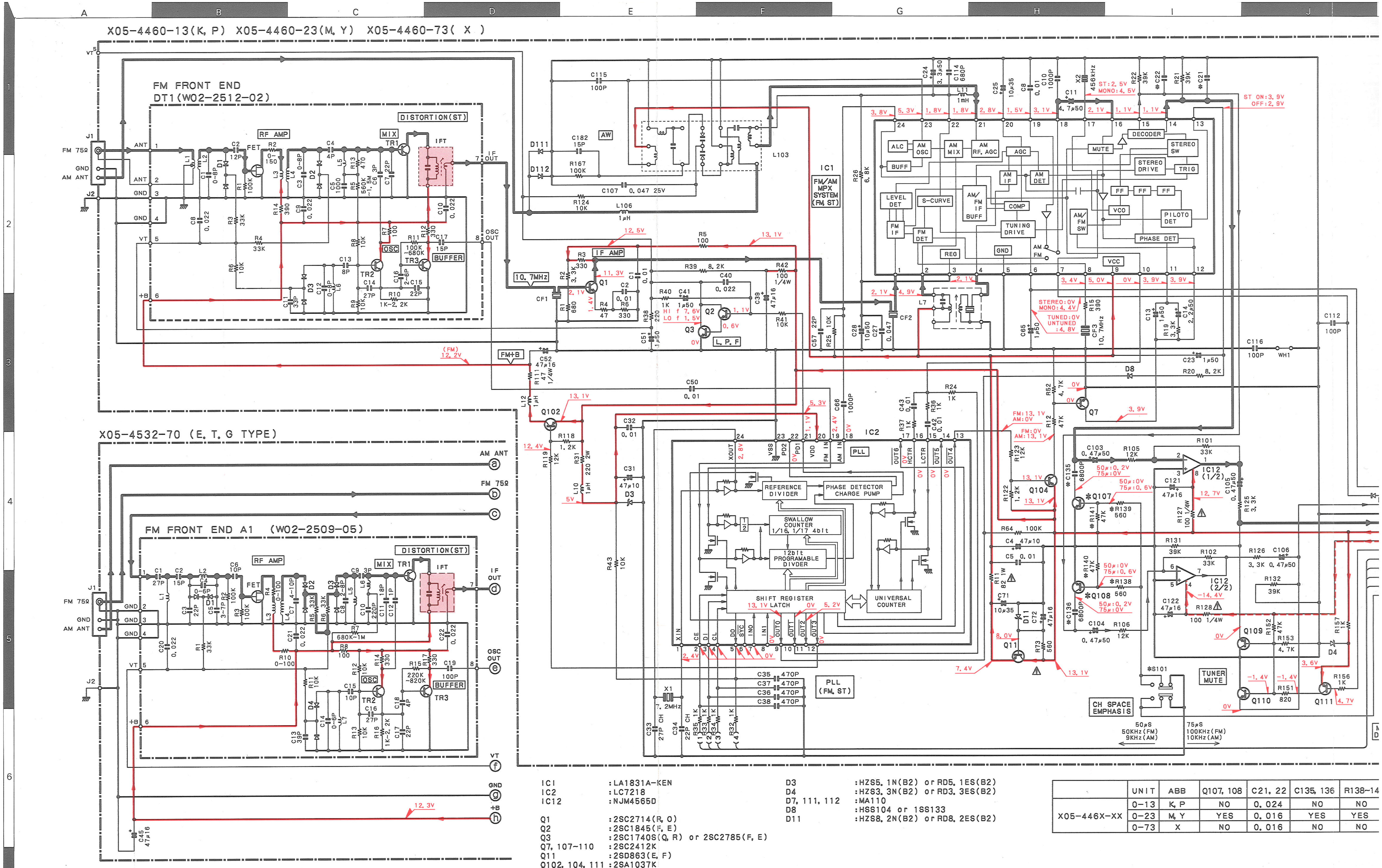

VIDEO2 IN
VIDEO1 OUT
VIDEO1 IN
TAPE2 REC
TAPE2 PLAY
TAPE1 REC
TAPE1 PLAY
CD
J3
X14 B/4
IC1
IC2
IC3
IC5
IC6
IC7
IC8
CN2
CN3
X2
TEST POINT
PRO LOGIC SELECTOR


X14 D/4
J1
J2
WH1
Lch
Rch
GND
PHONES


WH4
VR2 BASS
VR3 TREBLE
VR4 BALANCE


POWER
STAND BY
THEATER
C8
IC1
X1
ED1
WH2
AF
PTY
DISPLAY
S40
INPUT SEL.
1
2
3
4
5
6
7
8
9
0
+10
AUTO
DIRECT
MEMORY
X14-3980-10 A/4
J70-0679-11
WH1
DOWN
TUNING
UP
TAPE2
S33 THEATER
S24 PRO LOGIC
S32 3 STEREO
S25 BYPASS
LINE
S26 STRAIGHT
CN1
S21 P.CALL
S15 BAND
CN2
A SPEAKER B
LOUDNESS
CENTER MODE
CENTER
REAR
DELAY

Refer to the schematic diagram for the values of resistors and capacitors.


A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
X05-4460-13(K, P) X05-4460-23(M, Y) X05-4460-73(X)
FM FRONT END
DT1(W02-2512-02)
RF AMP
MIX
DISTORTION(ST)
IFT
IF OUT
OSC OUT
OSC
BUFFER
FET
TR1
TR2
TR3
J1
J2
FM 75Ω
GND
AM ANT
ANT
VT
+B
10.7MHz
CF1
CF2
CF3
IF AMP
L.P.F
FM+B
AW
L103
IC1
FM/AM MPX SYSTEM (FM, ST)
ALC
AM OSC
AM MIX
AM RF, AGC
AGC
BUFF
MUTE
DECODER
STEREO SW
STEREO DRIVE
TRIG
LEVEL DET
S-CURVE
AM/FM IF BUFF
AM IF
AM DET
COMP
FF
VCO
PILOTO DET
PHASE DET
FM IF
FM DET
TUNING DRIVE
AM/FM SW
REG
GND
VCC
IC2
PLL
REFERENCE DIVIDER
PHASE DETECTOR CHARGE PUMP
SWALLOW COUNTER 1/16, 1/17 4bit
12bit PROGRAMABLE DIVIDER
SHIFT REGISTER LATCH
UNIVERSAL COUNTER
PLL (FM, ST)
X1 7.2MHz
IC12 (1/2)
IC12 (2/2)
ST ON:3.9V OFF:2.9V
ST:2.5V MONO:4.5V
STEREO:0V MONO:4.4V
TUNED:0V UNTUNED:4.8V
FM:13.1V AM:0V
FM:0V AM:13.1V
TUNER MUTE
CH SPACE EMPHASIS
*S101
50μS 50KHz(FM) 9KHz(AM)
75μS 100KHz(FM) 10KHz(AM)
X05-4532-70 (E, T, G TYPE)
FM FRONT END A1 (W02-2509-05)
AM ANT
FM 75Ω
IF OUT
OSC OUT
VT
GND
+B
WH1

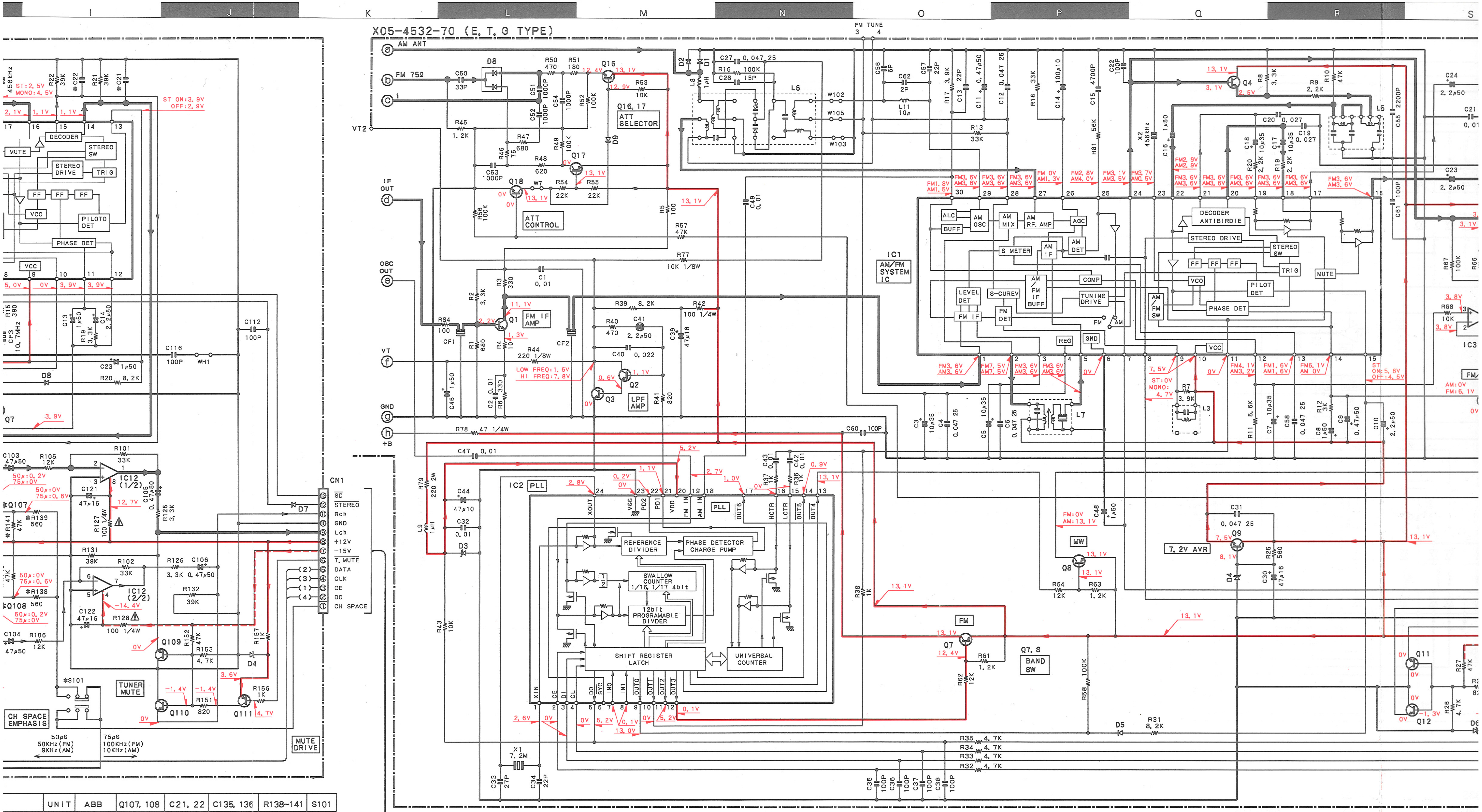
IC1 :LA1831A-KEN
IC2 :LC7218
IC12 :NJM4565D

Q1 :2SC2714(R, O)
Q2 :2SC1845(F, E)
Q3 :2SC1740S(Q, R) or 2SC2785(F, E)
Q7, 107-110 :2SC2412K
Q11 :2SD863(E, F)
Q102, 104, 111 :2SA1037K

D3 :HZS5. 1N(B2) or RD5. 1ES(B2)
D4 :HZS3. 3N(B2) or RD3. 3ES(B2)
D7, 111, 112 :MA110
D8 :HSS104 or 1SS133
D11 :HZS8. 2N(B2) or RD8. 2ES(B2)

	UNIT	ABB	Q107, 108	C21, 22	C135, 136	R138~14
X05-446X-XX	0-13	K, P	NO	0. 024	NO	NO
	0-23	M, Y	YES	0. 016	YES	YES
	0-73	X	NO	0. 016	NO	NO

DC voltages are as measured with a high ir
Values may vary slightly due to variations betw
ments or/and units.


I
J
K
L
M
N
O
P
Q
R
S
X05-4532-70 (E. T. G TYPE)
AM ANT
FM 75Ω
IF OUT
OSC OUT
VT
GND
+B
VT2
FM TUNE
ATT SELECTOR
ATT CONTROL
FM IF AMP
LPF AMP
IC1 AM/FM SYSTEM IC
DECODER
STEREO SW
STEREO DRIVE
TRIG
MUTE
VCO
PILOTO DET
PHASE DET
VCC
DECODER ANTIBIRDIE
PILOT DET
ALC
BUFF
AM OSC
AM MIX
AM RF. AMP
AGC
S METER
AM IF
AM DET
LEVEL DET
S-CUREV
AM/FM IF BUFF
COMP
TUNING DRIVE
FM IF
FM DET
REG
GND
IC2 PLL
REFERENCE DIVIDER
PHASE DETECTOR CHARGE PUMP
SWALLOW COUNTER 1/16, 1/17 4bit
12bit PROGRAMABLE DIVDER
SHIFT REGISTER LATCH
UNIVERSAL COUNTER
XOUT
VSS
PO2
PD1
VDD
FM IN
AM IN
OUT6
HCTR
LCTR
OUT5
OUT4
XIN
CE
DI
CL
DO
SYC
INO
IN1
OUT0
OUT1
OUT2
OUT3
X1 7. 2M
7. 2V AVR
MW
FM
BAND SW
CN1
SD
STEREO
Rch
GND
Lch
+12V
-15V
T. MUTE
DATA
CLK
CE
DO
CH SPACE
IC12 (1/2)
IC12 (2/2)
TUNER MUTE
MUTE DRIVE
CH SPACE EMPHASIS
50μS 50KHz(FM) 9KHz(AM)
75μS 100KHz(FM) 10KHz(AM)
ST ON:3. 9V OFF:2. 9V
LOW FREQ:1. 6V HI FREQ:7. 8V
ST:2. 5V MONO:4. 5V
50μ:0. 2V 75μ:0V
50μ:0V 75μ:0. 6V
ST:0V MONO:4. 7V
ST ON:5. 6V OFF:4. 5V
AM:0V FM:6. 1V
FM:0V AM:13. 1V
13. 1V
12. 4V
11. 1V
2. 2V
1. 3V
0. 6V
1. 1V
3. 9V
12. 7V
-14. 4V
-1. 4V
3. 6V
4. 7V
5. 2V
2. 7V
2. 8V
0. 9V
IC3

	UNIT	ABB	Q107, 108	C21, 22	C135, 136	R138~141	S101
46X-XX	0-13	K, P	NO	0. 024	NO	NO	NO
	0-23	M, Y	YES	0. 016	YES	YES	YES
	0-73	X	NO	0. 016	NO	NO	NO

IC1	:LA1836	Q1	:2SC2714(R, O)	D1, 2, 5	:1SS133 or HSS104
IC2	:LC7218	Q2	:2SC1845(F, E)	D3	:HTZJ5. 1(B) or RD5. 1ES(B2)
IC3	:M5223P	Q3, 4, 5, 16, 18	:2SC4081(R, S)	D4	:HTZJ8. 2(B) or RD8. 2ES(B2)
		Q7, 8, 10, 17	:2SA1576(R, S)	D6	:HTZJ3. 3(B) or RD3. 3ES(B2)
		Q9	:2SD863(E, F)	D7, 9	:MA110
		Q11, 12	:2SD1757K	D8	:1SS268

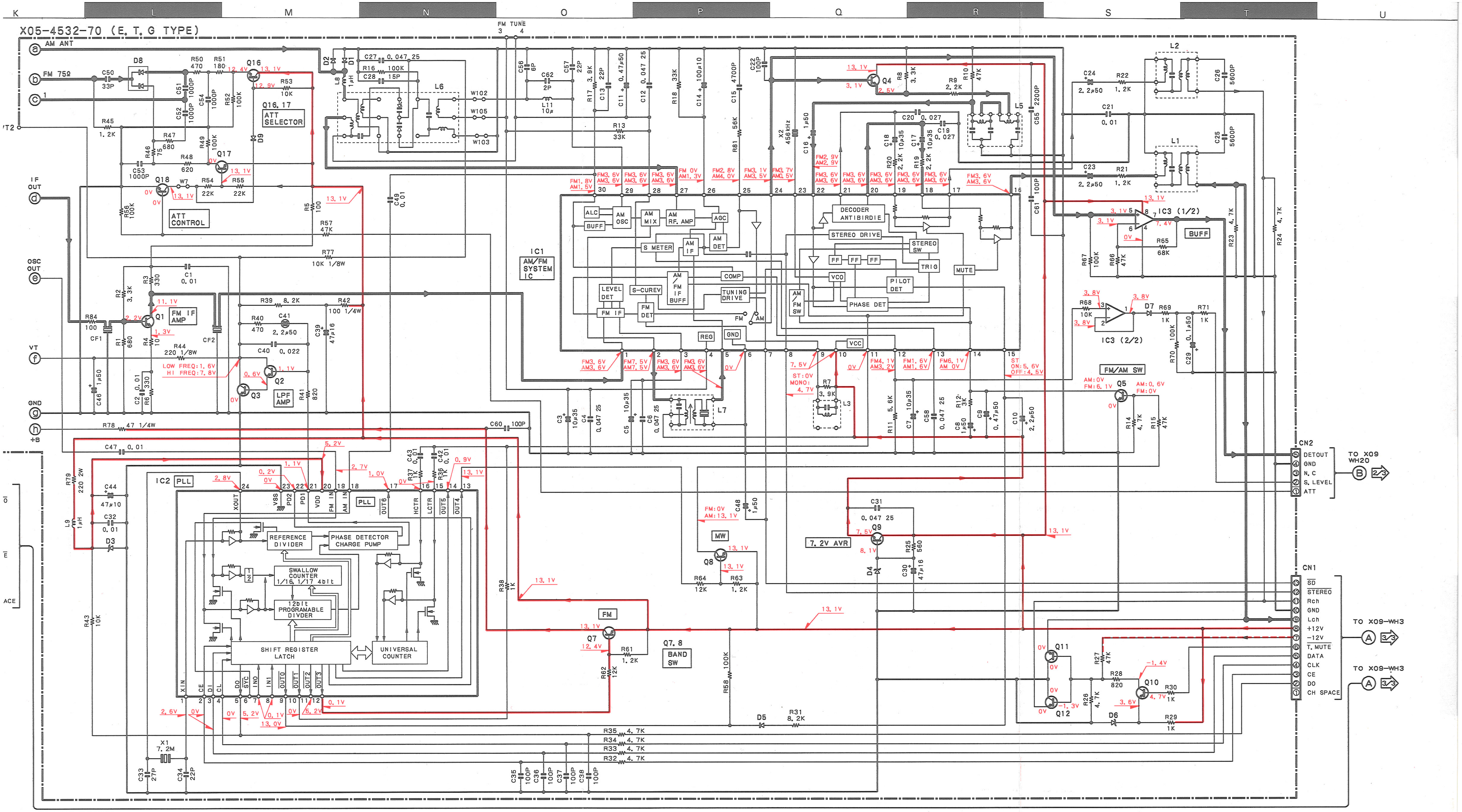
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

X05-4532-70 (E, T, G TYPE)


K
L
M
N
O
P
Q
R
S
T
U
FM TUNE
AM ANT
FM 75Ω
IF OUT
OSC OUT
VT
GND
+B
ATT SELECTOR
ATT CONTROL
FM IF AMP
LPF AMP
IC1
AM/FM SYSTEM IC
ALC
BUFF
AM OSC
AM MIX
AM RF. AMP
AGC
S METER
AM IF
AM DET
LEVEL DET
S-CUREV
AM / FM IF BUFF
COMP
TUNING DRIVE
FM IF
FM DET
REG
GND
VCC
DECODER ANTIBIRDIE
STEREO DRIVE
STEREO SW
TRIG
FF
VCO
PILOT DET
PHASE DET
AM / FM SW
MUTE
IC3 (1/2)
IC3 (2/2)
BUFF
FM/AM SW
IC2
PLL
REFERENCE DIVIDER
PHASE DETECTOR CHARGE PUMP
SWALLOW COUNTER 1/16, 1/17 4bit
12bit PROGRAMABLE DIVIDER
SHIFT REGISTER LATCH
UNIVERSAL COUNTER
XOUT
VSS
PD2
PD1
VDD
FM IN
AM IN
OUT6
HCTR
LCTR
OUT5
OUT4
XIN
CE
DI
CL
DO
SYC
INO
IN1
OUT0
OUT1
OUT2
OUT3
7.2V AVR
MW
FM
Q7, 8 BAND SW
CN2
DETOUT
GND
N.C
S.LEVEL
ATT
TO X09 WH20
CN1
SD
STEREO
Rch
GND
Lch
+12V
−12V
T.MUTE
DATA
CLK
CE
DO
CH SPACE
TO X09-WH3
TO X09-WH3
X2 456kHz
X1 7.2M

SIGNAL LINE
GND LINE
+B LINE
−B LINE

IC1	:LA1836	Q1	:2SC2714(R, O)	D1, 2, 5	:1SS133 or HSS104
IC2	:LC7218	Q2	:2SC1845(F, E)	D3	:HTZJ5.1(B) or RD5.1ES(B2)
IC3	:M5223P	Q3, 4, 5, 16, 18	:2SC4081(R, S)	D4	:HTZJ8.2(B) or RD8.2ES(B2)
		Q7, 8, 10, 17	:2SA1576(R, S)	D6	:HTZJ3.3(B) or RD3.3ES(B2)
		Q9	:2SD863(E, F)	D7, 9	:MA110
		Q11, 12	:2SD1757K	D8	:1SS268

meter.
instru-

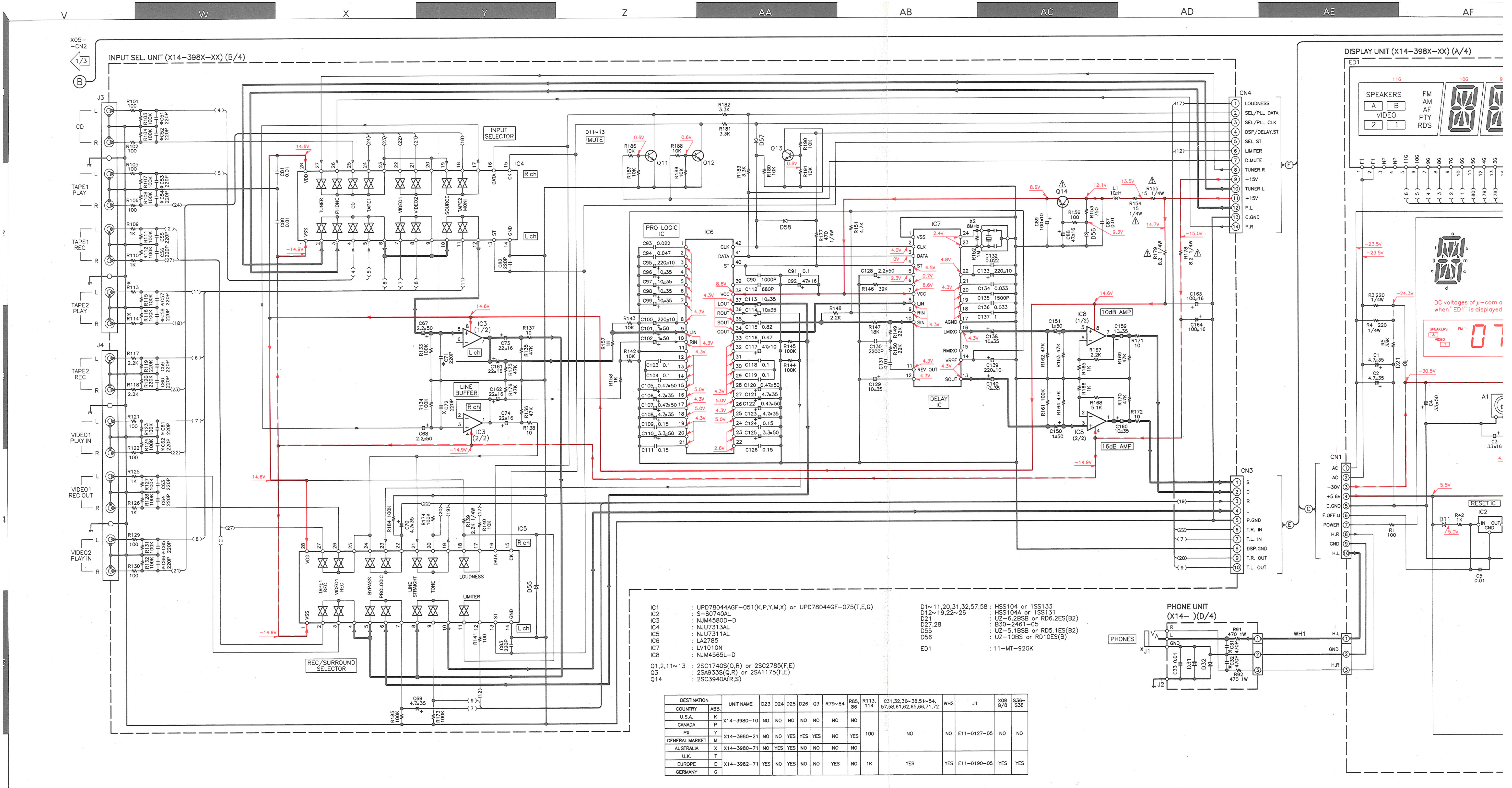
Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

KR-V6070

KENWOOD


V
W
X
Y
Z
AA
AB
AC
AD
AE
AF
X05–CN2
1/3
B
INPUT SEL. UNIT (X14–398X–XX) (B/4)
DISPLAY UNIT (X14–398X–XX) (A/4)
J3
CD
TAPE1 PLAY
TAPE1 REC
TAPE2 PLAY
J4
TAPE2 REC
VIDEO1 PLAY IN
VIDEO1 REC OUT
VIDEO2 PLAY IN
INPUT SELECTOR
IC4
Q11~13 MUTE
PRO LOGIC IC
IC6
IC7
DELAY IC
IC3 (1/2)
IC3 (2/2)
LINE BUFFER
IC8 (1/2)
IC8 (2/2)
10dB AMP
16dB AMP
IC5
REC/SURROUND SELECTOR
CN4
LOUDNESS
SEL/PLL DATA
SEL/PLL CLK
DSP/DELAY.ST
SEL ST
LIMITER
D.MUTE
TUNER.R
–15V
TUNER.L
+15V
P.L
C.GND
P.R
CN3
S
C
R
L
P.GND
T.R. IN
T.L. IN
DSP.GND
T.R. OUT
T.L. OUT
CN1
AC
AC
–30V
D.GND
+5.6V
F.OFF.U
POWER
H.R
GND
H.L
RESET IC
IC2
PHONE UNIT (X14–)(D/4)
PHONES
J1
J2
WH1
ED1
SPEAKERS
A B
VIDEO
2 1
FM
AM
AF
PTY
RDS
DC voltages of μ–com when "ED1" is displayed

IC1 : UPD78044AGF–051(K,P,Y,M,X) or UPD78044GF–075(T,E,G)
IC2 : S–80740AL
IC3 : NJM4580D–D
IC4 : NJU7313AL
IC5 : NJU7311AL
IC6 : LA2785
IC7 : LV1010N
IC8 : NJM4565L–D

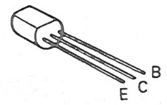
Q1,2,11~13 : 2SC1740S(Q,R) or 2SC2785(F,E)
Q3 : 2SA933S(Q,R) or 2SA1175(F,E)
Q14 : 2SC3940A(R,S)

D1~11,20,31,32,57,58 : HSS104 or 1SS133
D12~19,22~26 : HSS104A or 1SS131
D21 : UZ–6.2BSB or RD6.2ES(B2)
D27,28 : B30–2461–05
D55 : UZ–5.1BSB or RD5.1ES(B2)
D56 : UZ–10BS or RD10ES(B)

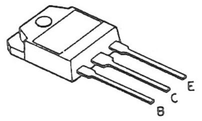
ED1 : 11–MT–92GK

DESTINATION		UNIT NAME	D23	D24	D25	D26	Q3	R79~84	R85, 86	R113, 114	C31,32,36~38,51~54, 57,58,61,62,65,66,71,72	WH2	J1	X09 G/8	S36~ S38
COUNTRY	ABB.														
U.S.A.	K	X14–3980–10	NO	NO	NO	NO	NO	NO	NO	100	NO	NO	E11–0127–05	NO	NO
CANADA	P														
PX	Y	X14–3980–21	NO	NO	YES	YES	YES	NO	YES						
GENERAL MARKET	M														
AUSTRALIA	X	X14–3980–71	NO	YES	YES	NO	NO	NO	NO						
U.K.	T	X14–3982–71	YES	NO	YES	NO	NO	YES	NO	1K	YES	YES	E11–0190–05	YES	YES
EUROPE	E														
GERMANY	G														

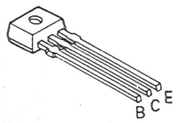
2SA1123
2SA1534A
2SA992
2SC1845
2SC2003
2SC2631
2SC2878
2SC3940A
2SD863



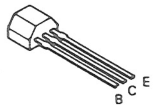
2SB1493
2SD2255



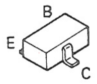
2SA1175
2SC2785



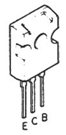
2SA933S
2SC1740S



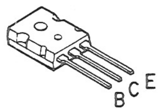
2SA1037K
2SA1576
2SC2412K
2SC2714
2SC4081
2SD1757K



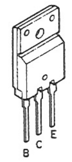
2SC4137



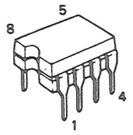
2SB1470
2SD2222



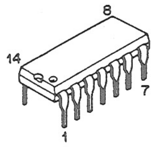
2SD2012
2SD2374



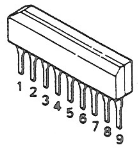
NJM4565D



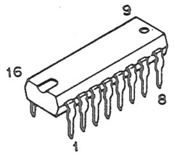
NJM2279D



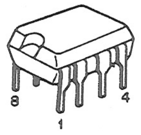
TA8409S



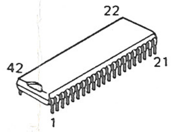
SAA6579



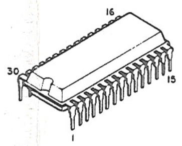
M5223P
NJM4580D-D



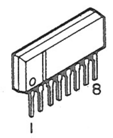
LA2785



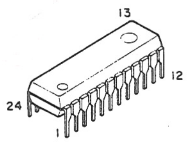
LA1836



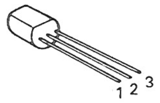
NJM4565L-D



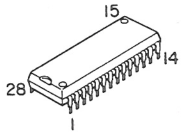
LC7218
LV1010N



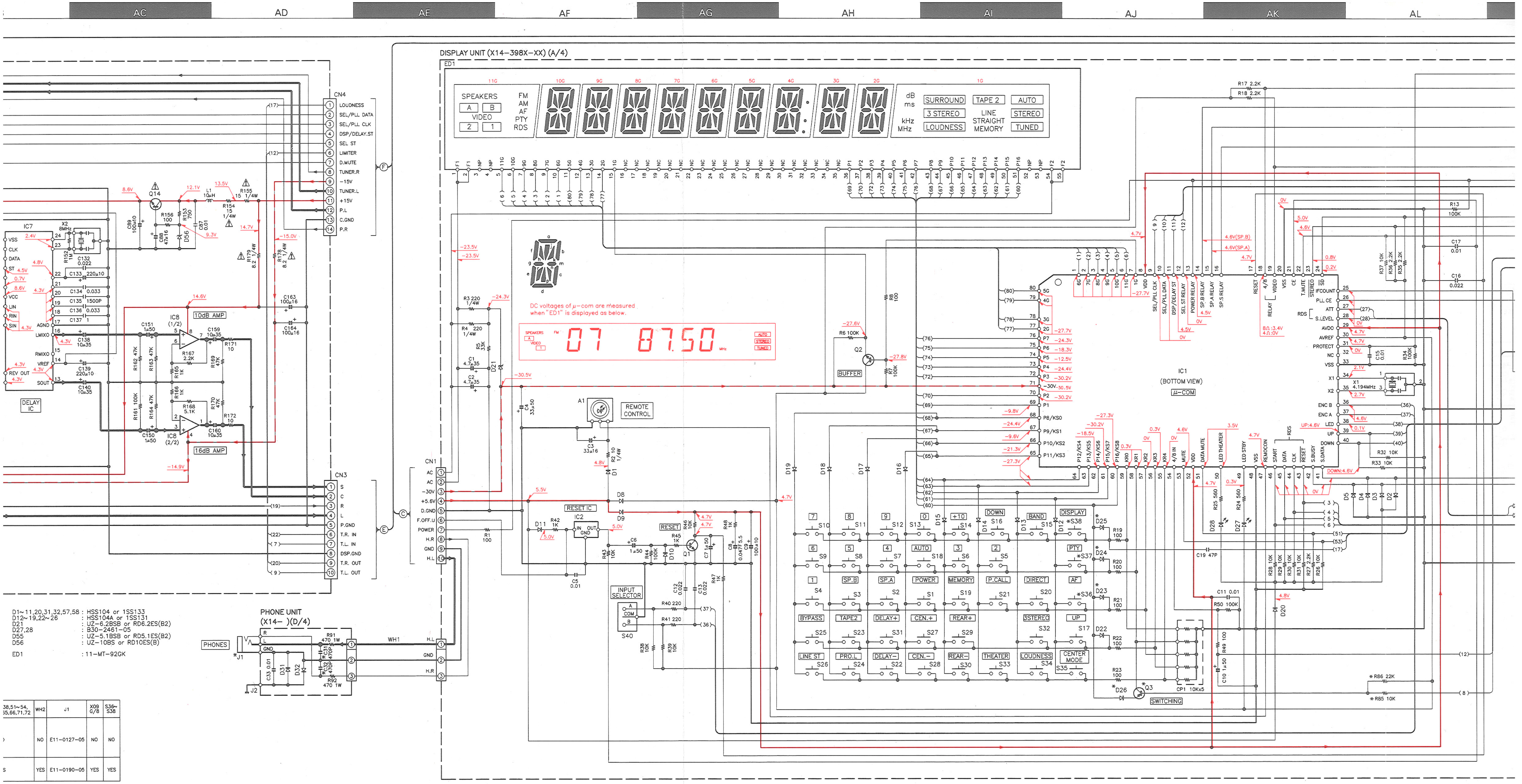
S-80740AL



NJU7311AL
NJU7313AL



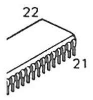
DC voltages are as meas
Values may vary slightly du
ments or/and units.


AC
AD
AE
AF
AG
AH
AI
AJ
AK
AL
DISPLAY UNIT (X14–398X–XX) (A/4)
ED1
CN4
CN3
CN1
IC7
DELAY IC
IC8 (1/2)
IC8 (2/2)
10dB AMP
16dB AMP
Q14
IC1
(BOTTOM VIEW)
μ–COM
IC2
RESET IC
RESET
Q2
BUFFER
A1
REMOTE CONTROL
INPUT SELECTOR
S40
Q3
SWITCHING
PHONE UNIT
(X14–)(D/4)
PHONES
J1
J2
WH1
SPEAKERS
FM
AM
AF
PTY
RDS
VIDEO
dB
ms
kHz
MHz
SURROUND
TAPE 2
AUTO
3 STEREO
LINE
STRAIGHT
MEMORY
STEREO
LOUDNESS
TUNED
DC voltages of μ–com are measured when "ED1" is displayed as below.
07 87.50

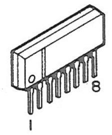
D1~11,20,31,32,57,58 : HSS104 or 1SS133
D12~19,22~26 : HSS104A or 1SS131
D21 : UZ–6.2BSB or RD6.2ES(B2)
D27,28 : B30–2461–05
D55 : UZ–5.1BSB or RD5.1ES(B2)
D56 : UZ–10BS or RD10ES(B)

ED1 : 11–MT–92GK

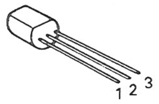
38,51~54, 55,66,71,72	WH2	J1	X09 G/8	S36~ S38
)	NO	E11–0127–05	NO	NO
S	YES	E11–0190–05	YES	YES

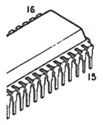


NJM4565L-D

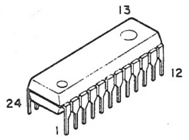


S-80740AL

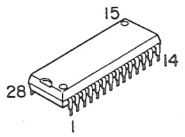




LC7218
LV1010N



NJU7311AL
NJU7313AL

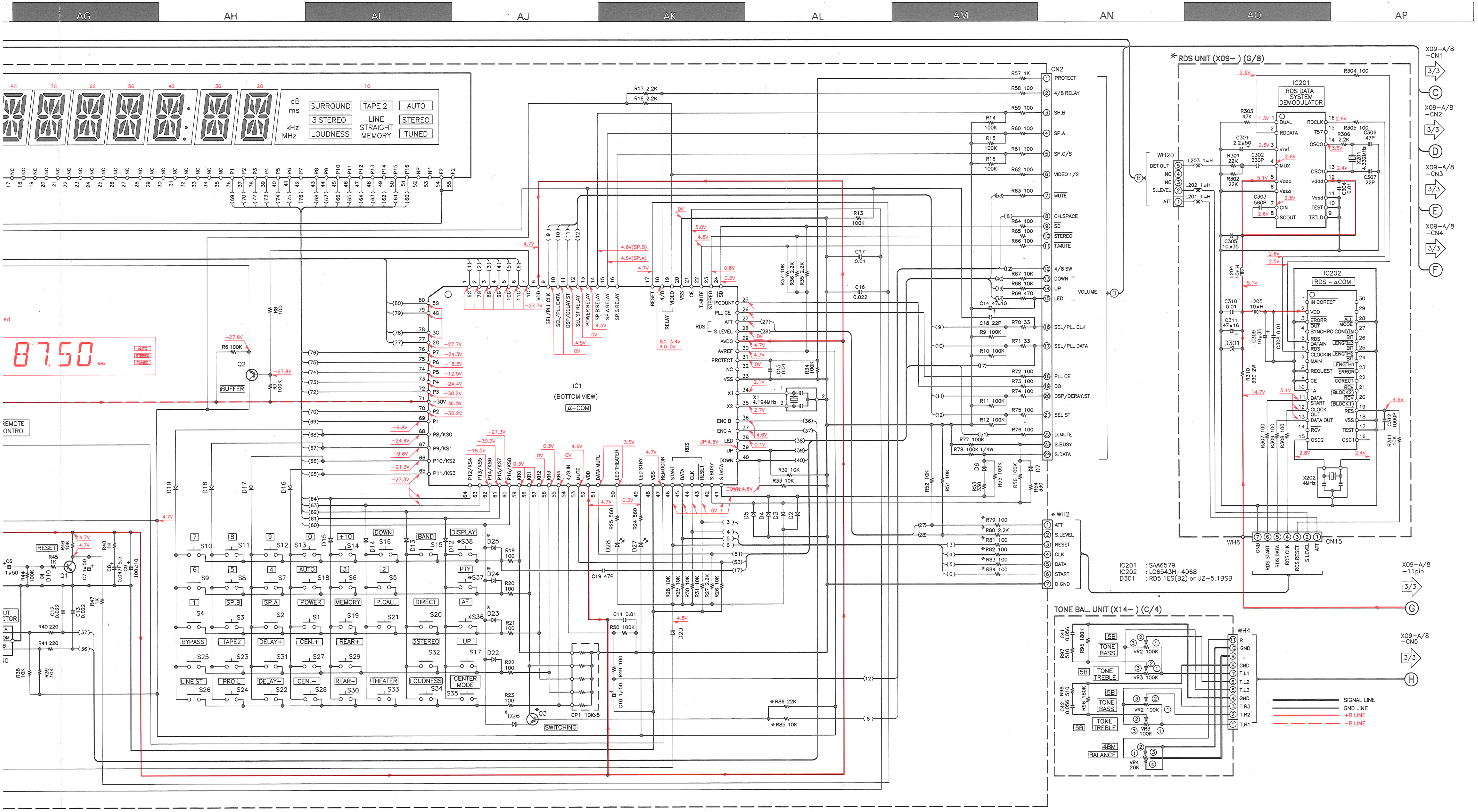


DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

CAUTION: For continued sa
ponents only with manufactu
to parts list). ⚠ indicates
reduce the risk of electric sho
measurements shall be carrie
ably insulated from the suppl
returned to the customer.


AG
AH
AI
AJ
AK
AL
AM
AN
AO
AP
IC1 (BOTTOM VIEW) μ-COM
*RDS UNIT (X09–) (G/8)
IC201 RDS DATA SYSTEM DEMODULATOR
IC202 RDS – μCOM
TONE BAL. UNIT (X14–) (C/4)
VOLUME
BUFFER
SWITCHING
REMOTE CONTROL
SURROUND
TAPE 2
AUTO
3 STEREO
LINE STRAIGHT MEMORY
STEREO
LOUDNESS
TUNED
87.50
X09–A/8 –CN1 3/3
X09–A/8 –CN2 3/3
X09–A/8 –CN3 3/3
X09–A/8 –CN4 3/3
X09–A/8 –11pin 3/3
X09–A/8 –CN5 3/3
IC201 : SAA6579
IC202 : LC6543H–4068
D301 : RD5.1ES(B2) or UZ–5.1BSB
SIGNAL LINE
GND LINE
+B LINE
–B LINE

ith a high impedance voltmeter. iations between individual instru-

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2/3

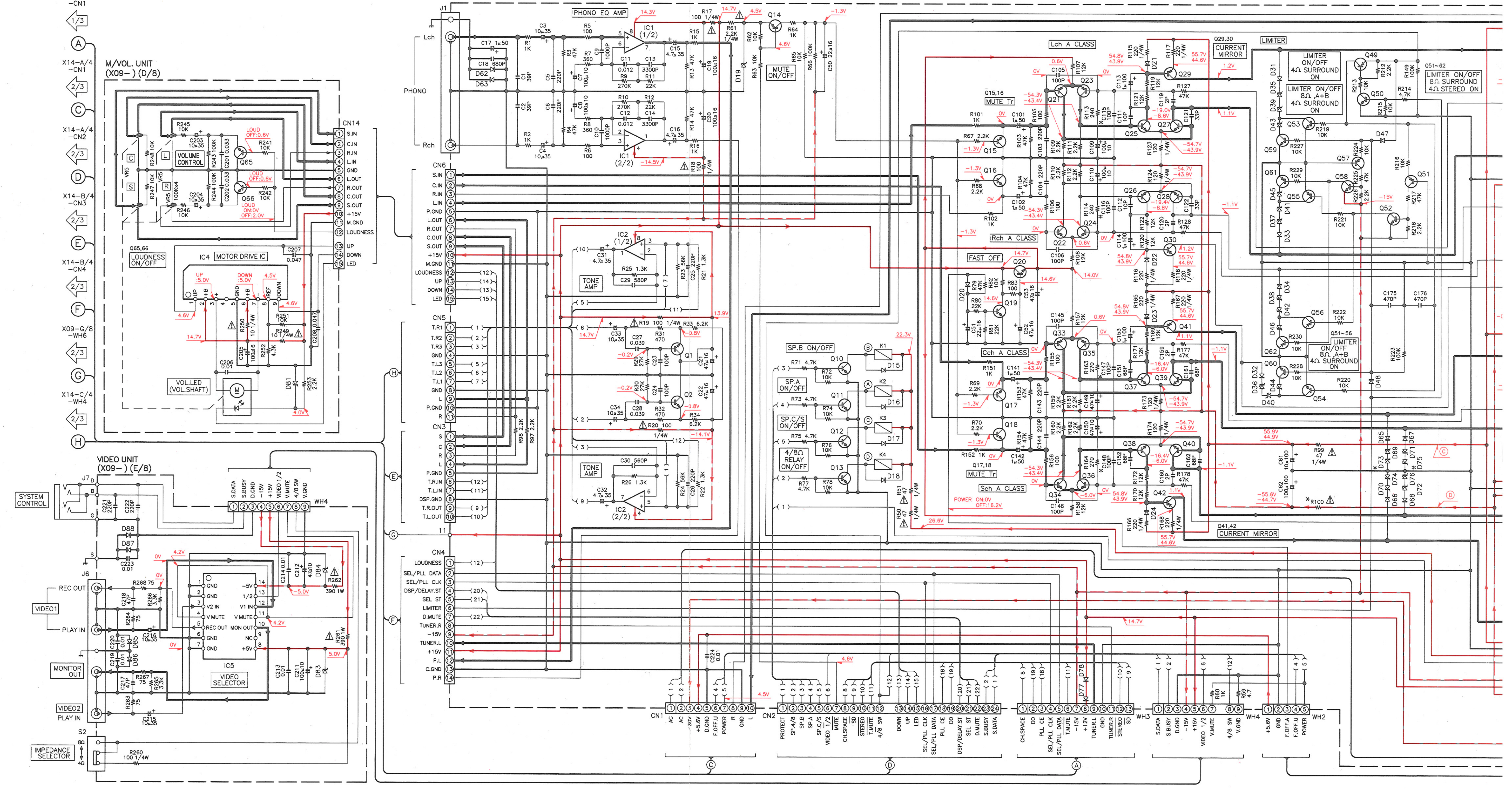
KR-V6070

KENWOOD

Y05-2970-10

	Q57			Q58			Q59			Q60			Q61			Q62		
	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E
8ΩSTEREO SURROUND(8Ω)	0V	−14.9V	0V	−15.0V	0.3V	−15.0V	0V	0.2V	0V	0V	0.2V	0V	0.2V	0V	0V	0.2V	0V	0V
4ΩSTEREO SURROUND(4Ω)	0V	0.5V	0.5V	−14.3V	−14.9V	−14.9V	0.6V	0V	0V	0.6V	0V	0V	−0.7V	0V	0V	−0.7V	0V	0V

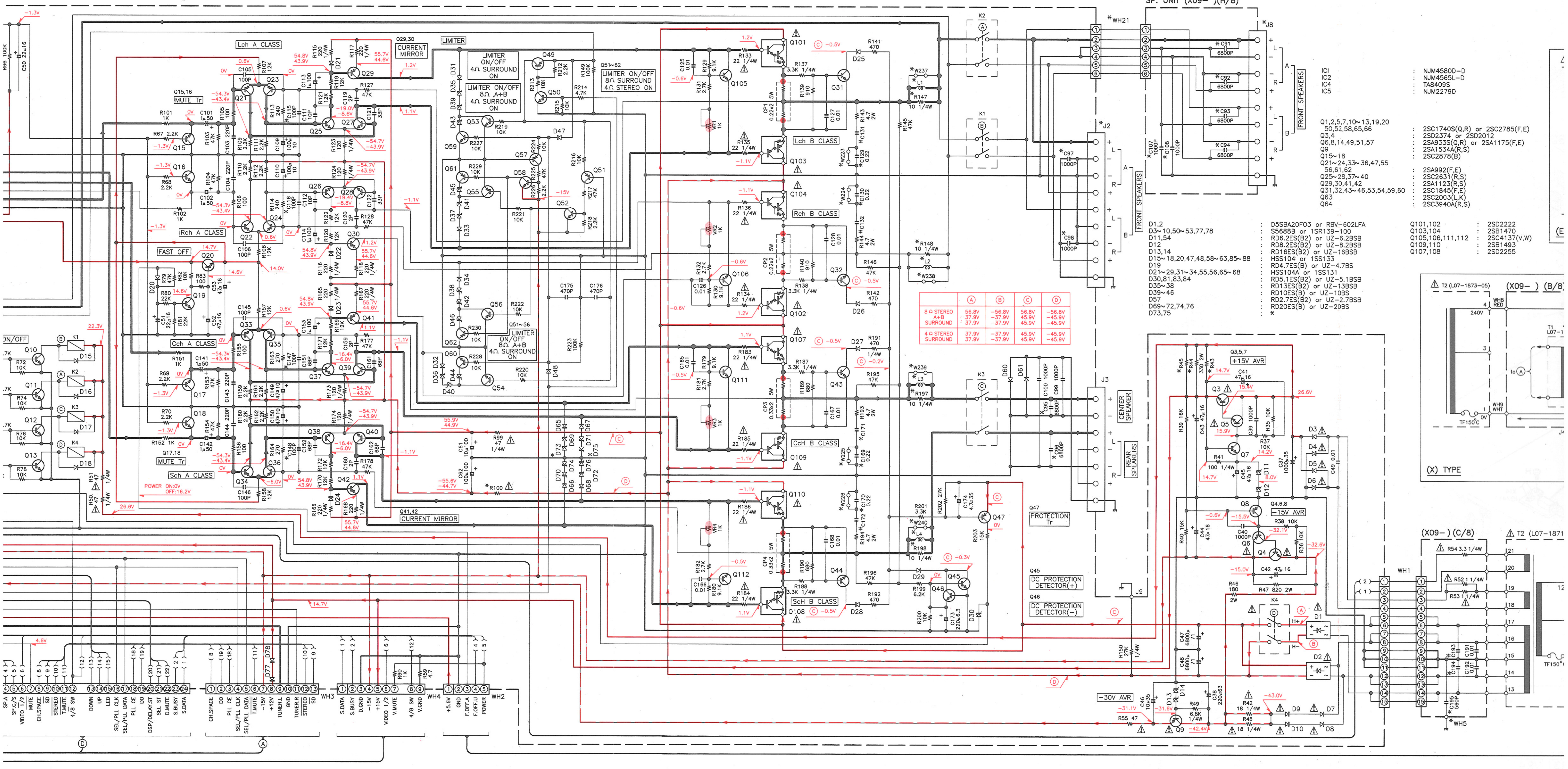
	Q49			Q50			Q51			Q52			Q53			Q54			Q5	
	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C
4ΩSURROUND	4.0V	4.6V	4.7V	0.6V	0V	0V	0V	0.5V	0.6V	−14.4V	−14.9V	−14.9V	0.6V	0V	0V	0.6V	0V	0V	−0.7V	−0.
OTHERS	—	—	—	—	—	—	0V	−14.9V	0V	−14.9V	0V	−14.9V	−0.1V	0.1V	0V	−0.1V	0.1V	0V	0.2V	0 −0.2V(A+B,4


AQ
AR
AS
AT
AU
AV
AW
AX
AY
AZ
1
2
3
4
5
6
7
X05−−CN1
1/3
X14−A/4−CN1
2/3
X14−A/4−CN2
2/3
X14−B/4−CN3
2/3
X14−B/4−CN4
2/3
X09−G/8−WH6
2/3
X14−C/4−WH4
2/3
A
B
C
D
E
F
G
H
M/VOL. UNIT
(X09−) (D/8)
VOLUME CONTROL
LOUD OFF:0.6V
LOUD OFF:0.6V
LOUD ON:0V OFF:2.0V
Q65
Q66
Q65,66
LOUDNESS ON/OFF
IC4
MOTOR DRIVE IC
VOL.LED (VOL.SHAFT)
CN14
S.IN
C.IN
R.IN
L.IN
GND
L.OUT
R.OUT
C.OUT
S.OUT
+15V
M.GND
LOUDNESS
UP
DOWN
LED
AMP UNIT
(X09−409X−XX)(A/8)
J1
Lch
PHONO
Rch
PHONO EQ AMP
IC1 (1/2)
IC1 (2/2)
Q14
MUTE ON/OFF
CN6
CN5
CN3
CN4
IC2 (1/2)
IC2 (2/2)
TONE AMP
TONE AMP
Q1
Q2
SP.B ON/OFF
SP.A ON/OFF
SP.C/S ON/OFF
4/8Ω RELAY ON/OFF
K1
K2
K3
K4
Q10
Q11
Q12
Q13
Q15,16
MUTE Tr
Q17,18
MUTE Tr
FAST OFF
Lch A CLASS
Rch A CLASS
Cch A CLASS
Sch A CLASS
POWER ON:0V OFF:16.2V
Q29,30
CURRENT MIRROR
Q41,42
CURRENT MIRROR
LIMITER
LIMITER ON/OFF 4Ω SURROUND ON
LIMITER ON/OFF 8Ω A+B 4Ω SURROUND ON
Q51∼62
LIMITER ON/OFF 8Ω A+B 4Ω STEREO ON
Q51∼56
LIMITER ON/OFF 8Ω A+B 4Ω SURROUND ON
VIDEO UNIT
(X09−) (E/8)
SYSTEM CONTROL
J7
J6
REC OUT
VIDEO1
PLAY IN
MONITOR OUT
VIDEO2 PLAY IN
IMPEDANCE SELECTOR
S2
IC5
VIDEO SELECTOR
WH4
CN1
CN2
WH3
WH4
WH2

DC voltages are as measured with a high impeda
Values may vary slightly due to variations between in
ments or/and units.

	Q57			Q58			Q59			Q60			Q61			Q62		
	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E
8ΩSTEREO SURROUND(8Ω)	0V	−14.9V	0V	−15.0V	0.3V	−15.0V	0V	0.2V	0V	0V	0.2V	0V	0.2V	0V	0V	0.2V	0V	0V
4ΩSTEREO SURROUND(4Ω)	0V	0.5V	0.5V	−14.3V	−14.9V	−14.9V	0.6V	0V	0V	0.6V	0V	0V	−0.7V	0V	0V	−0.7V	0V	0V

	Q49			Q50			Q51			Q52			Q53			Q54			Q55			Q56		
	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E
4ΩSURROUND	4.0V	4.6V	4.7V	0.6V	0V	0V	0V	0.5V	0.6V	−14.4V	−14.9V	−14.9V	0.6V	0V	0V	0.6V	0V	0V	−0.7V	−0.1V	0V	−0.7V	−0.1V	0V
OTHERS	—	—	—	—	—	—	0V	−14.9V	0V	−14.9V	0V	−14.9V	−0.1V	0.1V	0V	−0.1V	0.1V	0V	0.2V	0V −0.2V(A+B,4Ω STEREO)	0V	0.2V	0V −0.2V(A+B,4Ω STEREO)	0V


SP. UNIT (X09-)(H/8)
FRONT SPEAKERS
CENTER SPEAKER
REAR SPEAKERS
Lch A CLASS
Rch A CLASS
Cch A CLASS
Sch A CLASS
Lch B CLASS
Rch B CLASS
CcH B CLASS
ScH B CLASS
MUTE Tr
FAST OFF
CURRENT MIRROR
LIMITER
LIMITER ON/OFF 4Ω SURROUND ON
LIMITER ON/OFF 8Ω ,A+B 4Ω SURROUND ON
LIMITER ON/OFF 8Ω SURROUND 4Ω STEREO ON
PROTECTION Tr
DC PROTECTION DETECTOR(+)
DC PROTECTION DETECTOR(−)
+15V AVR
−15V AVR
−30V AVR
POWER ON:0V OFF:16.2V
T2 (L07-1873-05)
(X09-) (B/8)
(X09-) (C/8)
(X) TYPE
TF150°C
WH1
WH2
WH3
WH4
WH5
WH21

	Ⓐ	Ⓑ	Ⓒ	Ⓓ
8 Ω STEREO A+B SURROUND	56.8V 37.9V 37.9V	−56.8V −37.9V −37.9V	56.8V 45.9V 45.9V	−56.8V −45.9V −45.9V
4 Ω STEREO SURROUND	37.9V 37.9V	−37.9V −37.9V	45.9V 45.9V	−45.9V −45.9V

ICI	:	NJM4580D−D
IC2	:	NJM4565L−D
IC4	:	TA8409S
IC5	:	NJM2279D

Q1,2,5,7,10~13,19,20 50,52,58,65,66	:	2SC1740S(Q,R) or 2SC2785(F,E)
Q3,4	:	2SD2374 or 2SD2012
Q6,8,14,49,51,57	:	2SA933S(Q,R) or 2SA1175(F,E)
Q9	:	2SA1534A(R,S)
Q15~18	:	2SC2878(B)
Q21~24,33~36,47,55 56,61,62	:	2SA992(F,E)
Q25~28,37~40	:	2SC2631(R,S)
Q29,30,41,42	:	2SA1123(R,S)
Q31,32,43~46,53,54,59,60	:	2SC1845(F,E)
Q63	:	2SC2003(L,K)
Q64	:	2SC3940A(R,S)

D1,2	:	D5SBA20FO3 or RBV−602LFA
D3~10,50~53,77,78	:	S5688B or 1SR139−100
D11,54	:	RD6.2ES(B2) or UZ−6.2BSB
D12	:	RD8.2ES(B2) or UZ−8.2BSB
D13,14	:	RD16ES(B2) or UZ−16BSB
D15~18,20,47,48,58~63,85~88	:	HSS104 or 1SS133
D19	:	RD4.7ES(B) or UZ−4.7BS
D21~29,31~34,55,56,65~68	:	HSS104A or 1SS131
D30,81,83,84	:	RD5.1ES(B2) or UZ−5.1BSB
D35~38	:	RD13ES(B2) or UZ−13BSB
D39~46	:	RD10ES(B) or UZ−10BS
D57	:	RD2.7ES(B2) or UZ−2.7BSB
D69~72,74,76	:	RD20ES(B) or UZ−20BS
D73,75	:	*

Q101,102	:	2SD2222
Q103,104	:	2SB1470
Q105,106,111,112	:	2SC4137(V,W)
Q109,110	:	2SB1493
Q107,108	:	2SD2255

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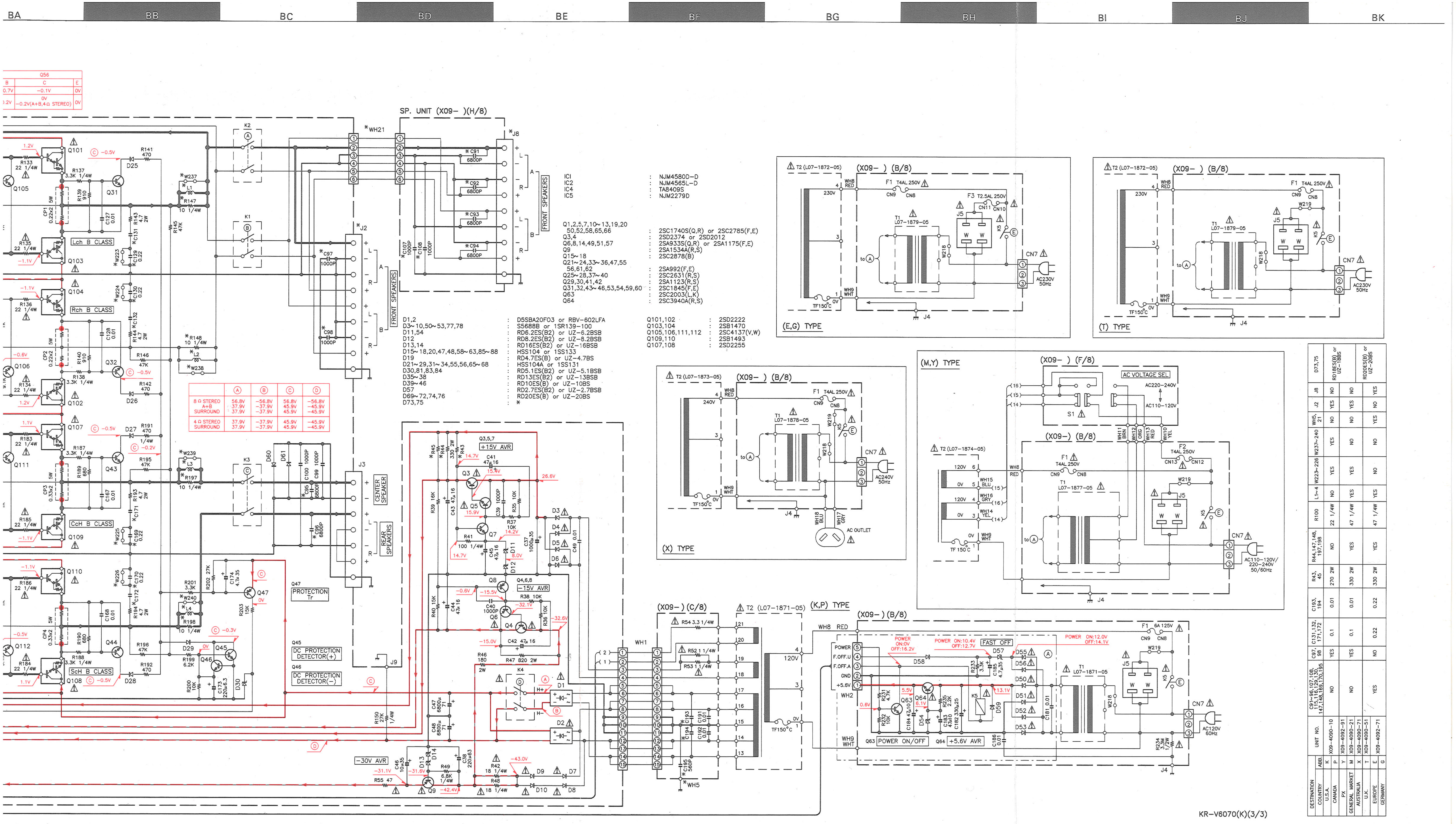
ponents only with manufacturer's recor
to parts list). ⚠ indicates safety cri
reduce the risk of electric shock, leakag
measurements shall be carried out (exp
ably insulated from the supply circuit) b
returned to the customer.


BA
BB
BC
BD
BE
BF
BG
BH
BI
BJ
BK
SP. UNIT (X09-)(H/8)
FRONT SPEAKERS
CENTER SPEAKER
REAR SPEAKERS
Lch B CLASS
Rch B CLASS
CcH B CLASS
SCH B CLASS
PROTECTION Tr
DC PROTECTION DETECTOR(+)
DC PROTECTION DETECTOR(−)
+15V AVR
−15V AVR
−30V AVR
+5.6V AVR
POWER ON/OFF
FAST OFF
AC VOLTAGE SEL
(E,G) TYPE
(T) TYPE
(X) TYPE
(M,Y) TYPE
(K,P) TYPE
AC OUTLET
KR−V6070(K)(3/3)

Q56		
B	C	E
0.7V	−0.1V	0V
0.2V	0V −0.2V(A+B,4Ω STEREO)	0V

	Ⓐ	Ⓑ	Ⓒ	Ⓓ
8 Ω STEREO A+B SURROUND	56.8V 37.9V 37.9V	−56.8V −37.9V −37.9V	56.8V 45.9V 45.9V	−56.8V −45.9V −45.9V
4 Ω STEREO SURROUND	37.9V 37.9V	−37.9V −37.9V	45.9V 45.9V	−45.9V −45.9V

ICI : NJM4580D−D
IC2 : NJM4565L−D
IC4 : TA8409S
IC5 : NJM2279D

Q1,2,5,7,10~13,19,20 50,52,58,65,66 : 2SC1740S(Q,R) or 2SC2785(F,E)
Q3,4 : 2SD2374 or 2SD2012
Q6,8,14,49,51,57 : 2SA933S(Q,R) or 2SA1175(F,E)
Q9 : 2SA1534A(R,S)
Q15~18 : 2SC2878(B)
Q21~24,33~36,47,55 56,61,62 : 2SA992(F,E)
Q25~28,37~40 : 2SC2631(R,S)
Q29,30,41,42 : 2SA1123(R,S)
Q31,32,43~46,53,54,59,60 : 2SC1845(F,E)
Q63 : 2SC2003(L,K)
Q64 : 2SC3940A(R,S)

D1,2 : D5SBA20F03 or RBV−602LFA
D3~10,50~53,77,78 : S5688B or 1SR139−100
D11,54 : RD6.2ES(B2) or UZ−6.2BSB
D12 : RD8.2ES(B2) or UZ−8.2BSB
D13,14 : RD16ES(B2) or UZ−16BSB
D15~18,20,47,48,58~63,85~88 : HSS104 or 1SS133
D19 : RD4.7ES(B) or UZ−4.7BS
D21~29,31~34,55,56,65~68 : HSS104A or 1SS131
D30,81,83,84 : RD5.1ES(B2) or UZ−5.1BSB
D35~38 : RD13ES(B2) or UZ−13BSB
D39~46 : RD10ES(B) or UZ−10BS
D57 : RD2.7ES(B2) or UZ−2.7BSB
D69~72,74,76 : RD20ES(B) or UZ−20BS
D73,75 : *

Q101,102 : 2SD2222
Q103,104 : 2SB1470
Q105,106,111,112 : 2SC4137(V,W)
Q109,110 : 2SB1493
Q107,108 : 2SD2255

DESTINATION		UNIT NO.	C91~96,107,108, 115,116,129,130, 147,148,169,170,195	C97, 98	C131,132, 171,172	C193, 194	R43, 45	R44,147,148, 197,198	R100	L1~4	W223~226	W237~240	WH5, 21	J2	J8	D73,75
COUNTRY	ABB.															
U.S.A.	K	X09−4090−10	NO	YES	0.1	0.01	270 2W	NO	22 1/4W	NO	YES	YES	NO	YES	NO	RD18ES(B) or UZ−18BS
CANADA	P															
PX	Y	X09−4092−91	NO	YES	0.1	0.01	330 2W	YES	47 1/4W	YES	YES	NO	NO	YES	NO	
GENERAL MARKET	M	X09−4090−21														
AUSTRALIA	X	X09−4090−71														RD20ES(B) or UZ−20BS
U.K.	T	X09−4090−51	YES	NO	0.22	0.22	330 2W	YES	47 1/4W	YES	NO	NO	YES	NO	YES	
EUROPE	E	X09−4092−71														
GERMANY	G															

ter.
tru-

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

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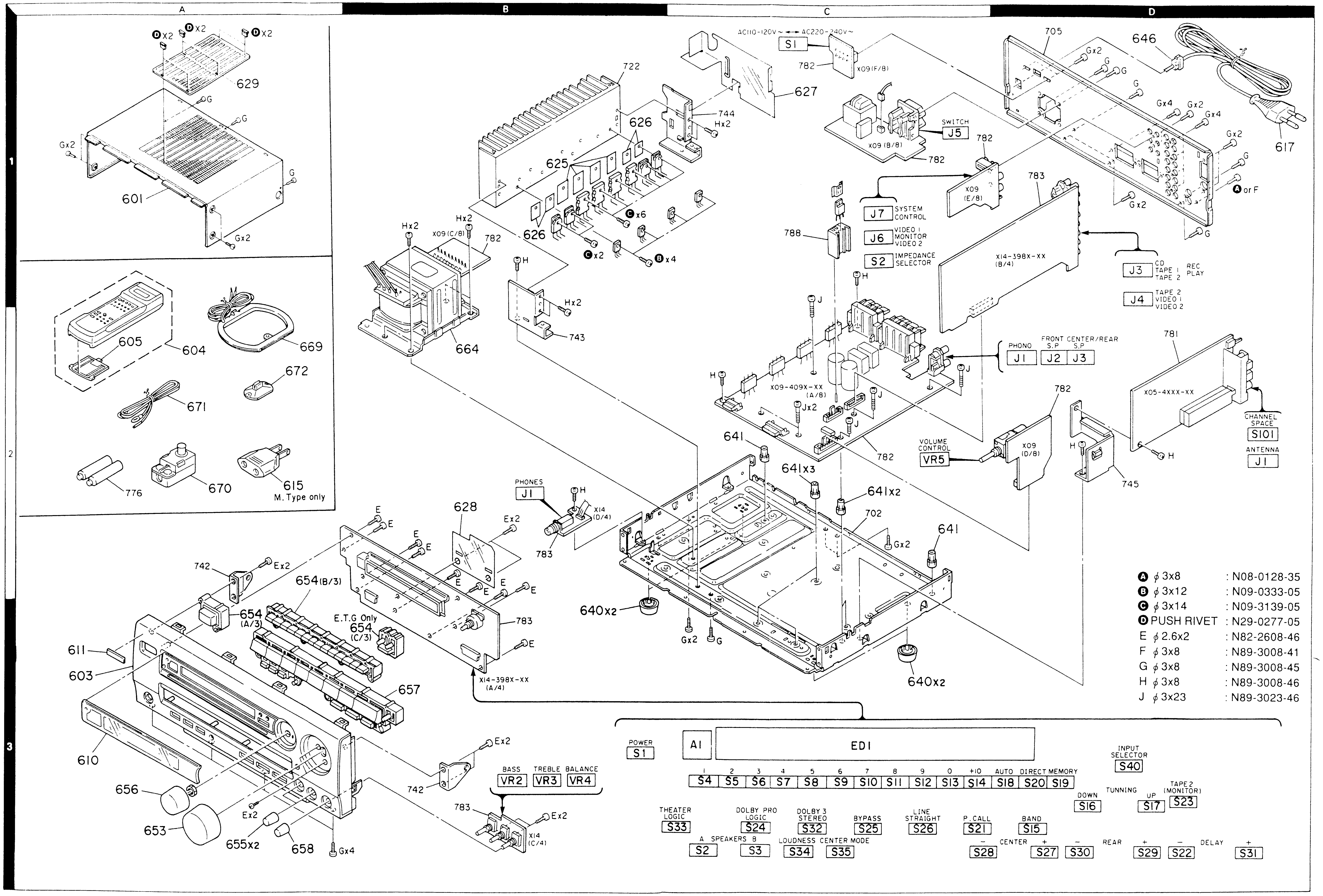
KR-V6070

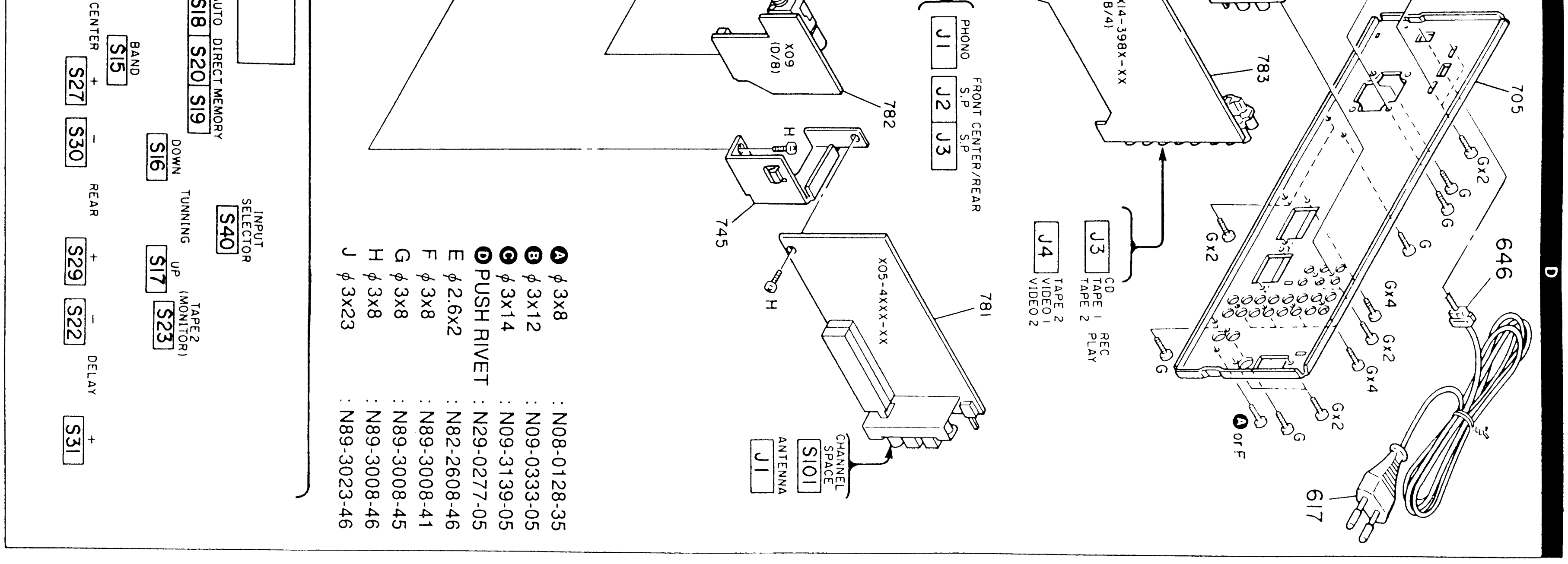
KENWOOD

EXPLODED VIEW


A
B
C
D
1
2
3
Ⓓx2
Ⓓx2
Ⓓx2
629
G
Gx2
601
Gx2
605
604
669
672
671
776
670
615
M. Type only
722
626
625
744
Hx2
627
AC110-120V~ ←→ AC220-240V~
S1
782
X09 (F/8)
SWITCH
J5
X09 (B/8)
705
646
Gx4
617
Ⓐ or F
783
X09 (E/8)
J7 SYSTEM CONTROL
J6 VIDEO 1 MONITOR VIDEO 2
S2 IMPEDANCE SELECTOR
788
X14-398X-XX (B/4)
J3 CD TAPE 1 TAPE 2 REC PLAY
J4 TAPE 2 VIDEO 1 VIDEO 2
Hx2
X09 (C/8)
Ⓒx6
Ⓒx2
Ⓑx4
664
743
H
J
PHONO
FRONT CENTER/REAR S.P S.P
J1
J2
J3
781
X09-409X-XX (A/8)
Jx2
X05-4XXX-XX
CHANNEL SPACE
S101
ANTENNA
J1
641
641x3
641x2
VOLUME CONTROL
VR5
X09 (D/8)
745
702
PHONES
J1
X14 (D/4)
628
Ex2
E
742
654(B/3)
654 (A/3)
E.T.G Only
654 (C/3)
640x2
Gx2
G
611
603
657
X14-398X-XX (A/4)
610
656
653
655x2
658
Gx4
BASS
TREBLE
BALANCE
VR2
VR3
VR4
X14 (C/4)
POWER
S1
A1
ED1
1 S4
2 S5
3 S6
4 S7
5 S8
6 S9
7 S10
8 S11
9 S12
0 S13
+10 S14
AUTO S18
DIRECT S20
MEMORY S19
INPUT SELECTOR
S40
TUNNING
DOWN S16
UP S17
TAPE 2 (MONITOR) S23
THEATER LOGIC S33
DOLBY PRO LOGIC S24
DOLBY 3 STEREO S32
BYPASS S25
LINE STRAIGHT S26
P.CALL S21
BAND S15
A SPEAKERS B
S2
S3
LOUDNESS S34
CENTER MODE S35
CENTER − S28
CENTER + S27
REAR − S30
REAR + S29
DELAY − S22
DELAY + S31

Ⓐ ϕ3x8 : N08-0128-35
Ⓑ ϕ3x12 : N09-0333-05
Ⓒ ϕ3x14 : N09-3139-05
Ⓓ PUSH RIVET : N29-0277-05
E ϕ2.6x2 : N82-2608-46
F ϕ3x8 : N89-3008-41
G ϕ3x8 : N89-3008-45
H ϕ3x8 : N89-3008-46
J ϕ3x23 : N89-3023-46

Parts with the exploded numbers larger than 700 are not supplied.



Parts with the exploded numbers larger than 700 are not supplied.

⁎ New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

No.1

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
KR-V6070						
601	1A	*	A01-3194-01	METALLIC CABINET		
603	3A	*	A60-0662-01	PANEL	KPYMX	
603	3A	*	A60-0663-01	PANEL	TEG	
604	2A		A70-0962-15	REMOTE CONTROLLER ASSY	KPYMX	
604	2A	*	A70-1006-05	REMOTE CONTROLLER ASSY	TEG	
605	2A		A09-0146-08	BATTERY COVER	KPYMX	
605	2A		A09-0194-08	BATTERY COVER	TEG	
610	3A	*	B03-2933-13	DRESSING PLATE	KPYMX	
610	3A	*	B03-2934-13	DRESSING PLATE	TEG	
611	3A		B43-0287-04	KENWOOD BADGE	TEG	
-		*	B46-0092-43	WARRANTY CARD	KY	
-		*	B46-0096-53	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-			B46-0197-00	QUESTIONAIRE CARD	K	
-			B46-0310-03	WARRANTY CARD	TEG	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-		*	B58-0964-13	CAUTION CARD (CAUTION UL)	KY	
-		*	B58-0965-13	CAUTION CARD (TX TYPE PL)	XT	
-		*	B58-0966-13	CAUTION CARD (ELM TYPE PL)	MEG	
-		*	B58-0967-03	CAUTION CARD (P TYPE PL)	P	
-		*	B58-0970-13	CAUTION CARD (RG TYPE PL)	G	
-		*	B59-1104-00	SERVICE DIRECTORY	Y	
-		*	B60-1938-00	INSTRUCTION MANUAL (EN)	KPYMX	
-		*	B60-1939-00	INSTRUCTION MANUAL (EN)	TE	
-		*	B60-1940-00	INSTRUCTION MANUAL (FR)	P	
-		*	B60-1941-00	INSTRUCTION MANUAL (C)	M	
-		*	B60-1942-00	INSTRUCTION MANUAL (G/D)	EG	
-		*	B60-1944-00	INSTRUCTION MANUAL (SP)	E	
-		*	B60-1945-00	INSTRUCTION MANUAL (F/I)	E	
-		*	B60-2132-00	INSTRUCTION MANUAL (TAIWAN)	M	
⚠ 615	2A		E03-0115-05	AC PLUG ADAPTER	M	
⚠ 617	1D		E30-2592-15	AC POWER CORD	MEG	
⚠ 617	1D		E30-2605-05	AC POWER CORD	Y	
⚠ 617	1D		E30-2650-05	AC POWER CORD	KP	
⚠ 617	1D		E30-2717-05	AC POWER CORD	X	
⚠ 617	1D		E30-2721-05	AC POWER CORD	T	
⚠ J5			E03-0141-05	AC OUTLET	X	
625	1B		F20-1284-05	INSULATING BOARD		
626	1B		F20-1297-05	INSULATING SHEET		
627	1C	*	F20-1424-13	INSULATING SHEET		
628	2B	*	F20-1425-04	INSULATING SHEET		
629	1A	*	F20-1433-03	INSULATING BOARD	M	
-		*	F10-0971-03	SHIELDING PLATE	TEG	
-			F20-1258-04	INSULATING BOARD	T	
-		*	G11-2010-04	SOFT TAPE	TEG	
-			H10-5915-02	POLYSTYRENE FOAMED FIXTURE (L)	KPYMXE	S
-			H10-5915-02	POLYSTYRENE FOAMED FIXTURE (L)	G	S
-			H10-5916-12	POLYSTYRENE FOAMED FIXTURE (R)	KPYMXE	S
-			H10-5916-12	POLYSTYRENE FOAMED FIXTURE (R)	G	S
-		*	H10-5917-02	POLYSTYRENE FOAMED FIXTURE (L)	T	S
-		*	H10-5918-02	POLYSTYRENE FOAMED FIXTURE (R)	T	S

L: Scandinavia
Y: PX (Far East, Hawaii)
Y: AAFES (Europe)
K: USA
T: England
X: Australia
P: Canada
E: Europe
M: Other Areas
R: Mexico
G: Germany
S: SINGAPORE MADE
W: MALAYSIA MADE
⚠ indicates safety critical components.

⁎ New Parts
Parts without Parts No. are not supplied.
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Teile ohne Parts No. werden nicht geliefert.

No.2

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
-		*	H10-5956-02	POLYSTYRENE FOAMED FIXTURE (L)	KPYMXE	W
-		*	H10-5956-02	POLYSTYRENE FOAMED FIXTURE (L)	G	W
-		*	H10-5957-02	POLYSTYRENE FOAMED FIXTURE (R)	KPYMXE	W
-		*	H10-5957-02	POLYSTYRENE FOAMED FIXTURE (R)	G	W
-		*	H10-5958-02	POLYSTYRENE FOAMED FIXTURE (L)	T	W
-		*	H10-5959-02	POLYSTYRENE FOAMED FIXTURE (R)	T	W
-			H13-0147-14	CARTON BOARD	X	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	KPYMXE	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	G	
-			H25-0651-04	PROTECTION BAG (0232 PRINTED)	T	
-			H25-1516-04	PROTECTION BAG		
-		*	H50-1350-14	ITEM CARTON CASE	KPYXEG	S
-		*	H50-1351-14	ITEM CARTON CASE	M	S
-		*	H50-1352-14	ITEM CARTON CASE	T	S
-		*	H50-1353-14	ITEM CARTON CASE	KPYXEG	W
-		*	H50-1354-14	ITEM CARTON CASE	M	W
-		*	H50-1355-14	ITEM CARTON CASE	T	W
640	3B,3C		J02-0366-15	FOOT	KPYMX	
640	3B,3C		J02-1040-05	FOOT	TEG	
641	2C		J19-3752-14	UNIT HOLDER		
⚠ 646	1D		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
653	3A		K29-5859-04	KNOB ASSY (VOLUME)		
654	3A,3B		K29-6039-02	KNOB (POWER/10KEY/RDS)		
655	3A		K29-6041-04	KNOB (BASS,TREBLE)		
656	3A		K29-6043-04	KNOB (INPUT SELECTOR)		
657	3B	*	K29-6073-12	KNOB		
658	3A	*	K29-6127-04	KNOB (BALANCE)		
⚠ 664	2B	*	L07-1871-15	POWER TRANSFORMER	KP	
⚠ 664	2B	*	L07-1872-05	POWER TRANSFORMER	TEG	
⚠ 664	2B	*	L07-1873-05	POWER TRANSFORMER	X	
⚠ 664	2B	*	L07-1874-05	POWER TRANSFORMER	YM	
669	2A		T90-0195-05	LOOP ANTENNA		
670	2A		T90-0198-05	ANTENNA ADAPTOR		
671	2A		T90-0801-05	LEAD WIRE ANTENNA		
672	2A		J19-3645-05	LOOP ANTENNA STAND		
TUNER UNIT (X05-4460-XX)						
C1 ,2			CK73FB1H103K	CHIP C 0.010UF K	KPYMX	
C4			CE04LW1A470M	ELECTRO 47UF 10WV	KPYMX	
C5			CK73FB1H103K	CHIP C 0.010UF K	KPYMX	
C8			CK73FB1H103K	CHIP C 0.010UF K	KPYMX	
C10			CK73FB1H102K	CHIP C 1000PF K	KPYMX	
C11			CE04LW1H4R7M	ELECTRO 4.7UF 50WV	KPYMX	
C13			CE04LW1H010M	ELECTRO 1.0UF 50WV	KPYMX	
C14			CE04LW1H2R2M	ELECTRO 2.2UF 50WV	KPYMX	
C21 ,22			CQ92FM1H163J	MYLAR 0.016UF J	YMX	
C21 ,22			CQ92FM1H243J	MYLAR 0.024UF J	KP	
C23			CE04LW1H010M	ELECTRO 1.0UF 50WV	KPYMX	
C24			CE04LW1H3R3M	ELECTRO 3.3UF 50WV	KPYMX	
C25			CE04LW1V100M	ELECTRO 10UF 35WV	KPYMX	
C27			CK73FB1E473K	CHIP C 0.047UF K	KPYMX	
C28			CE04LW1V100M	ELECTRO 10UF 35WV	KPYMX	
C31			CE04LW1A470M	ELECTRO 47UF 10WV	KPYMX	

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S: SINGAPORE MADE
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No.3

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C32			CK73FB1H103K	CHIP C 0.010UF K	KPYMX	
C33			CC73FCH1H270J	CHIP C 27PF J	KPYMX	
C34			CC73FCH1H220J	CHIP C 22PF J	KPYMX	
C35 -38			CK73FB1H471K	CHIP C 470PF K	KPYMX	
C39			CE04LW1C470M	ELECTRO 47UF 16WV	KPYMX	
C40			CK73FB1H223K	CHIP C 0.022UF K	KPYMX	
C41			CE04LW1H010M	ELECTRO 1.0UF 50WV	KPYMX	
C42 ,43			CK73FB1H103K	CHIP C 0.010UF K	KPYMX	
C50			C91-0769-05	CERAMIC 0.010UF K	KPYMX	
C51			CE04LW1H010M	ELECTRO 1.0UF 50WV	KPYMX	
C52			CE04LW1C470M	ELECTRO 47UF 16WV	KPYMX	
C57			CC73FSL1H220J	CHIP C 22PF J	KPYMX	
C65			CE04LW1H010M	ELECTRO 1.0UF 50WV	KPYMX	
C66			CK73FB1H102K	CHIP C 1000PF K	KPYMX	
C71			CE04LW1V100M	ELECTRO 10UF 35WV	KPYMX	
C72			CE04LW1C470M	ELECTRO 47UF 16WV	KPYMX	
C103-106			CE04LW1HR47M	ELECTRO 0.47UF 50WV	KPYMX	
C107			CK73FB1E473K	CHIP C 0.047UF K	KPYMX	
C112			CC73FSL1H101J	CHIP C 100PF J	KPYMX	
C114			CK73FB1H681K	CHIP C 680PF K	KPYMX	
C115,116			CC73FSL1H101J	CHIP C 100PF J	KPYMX	
C121,122			CE04LW1C470M	ELECTRO 47UF 16WV	KPYMX	
C135,136			CQ92FM1H682J	MYLAR 6800PF J	YM	
C182			CC73FSL1H150J	CHIP C 15PF J	KPYMX	

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No.4

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
IC1			LA1831A-KEN	ANALOGUE IC	KPYMX	
IC2			LC7218	IC(PLL SYNTHESIZER)	KPYMX	
IC12			NJM4565D	IC(OP AMP X2)	KPYMX	
Q1			2SC2714(R,O)	TRANSISTOR	KPYMX	
Q2			2SC1845(F,E)	TRANSISTOR	KPYMX	
Q3			2SC1740S(Q,R)	TRANSISTOR	KPYMX	
Q3			2SC2785(F,E)	TRANSISTOR	KPYMX	
Q7			2SC2412K	TRANSISTOR	KPYMX	
Q11			2SD863(E,F)	TRANSISTOR	KPYMX	
Q102			2SA1037K	TRANSISTOR	KPYMX	
Q104			2SA1037K	TRANSISTOR	KPYMX	
Q107-110			2SC2412K	TRANSISTOR	YM	
Q109,110			2SC2412K	TRANSISTOR	KPX	
Q111			2SA1037K	TRANSISTOR	KPYMX	
DT1		*	W02-2512-05	FM FRONT-END ASSY	KPYMX	
TUNER UNIT (X05-4532-70)						
C1 ,2			CK73FB1H103K	CHIP C 0.010UF K	TEG	
C3			CE04LW1V100M	ELECTRO 10UF 35WV	TEG	
C4			CK73FB1E473K	CHIP C 0.047UF K	TEG	
C5			CE04LW1V100M	ELECTRO 10UF 35WV	TEG	
C6			CK73FB1E473K	CHIP C 0.047UF K	TEG	
C7			CE04LW1V100M	ELECTRO 10UF 35WV	TEG	
C8			CE04LW1H010M	ELECTRO 1.0UF 50WV	TEG	

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No.1

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
KR-V6070						
601	1A	*	A01-3194-01	METALLIC CABINET		
603	3A	*	A60-0662-01	PANEL	KPYMX	
603	3A	*	A60-0663-01	PANEL	TEG	
604	2A		A70-0962-15	REMOTE CONTROLLER ASSY	KPYMX	
604	2A	*	A70-1006-05	REMOTE CONTROLLER ASSY	TEG	
605	2A		A09-0146-08	BATTERY COVER	KPYMX	
605	2A		A09-0194-08	BATTERY COVER	TEG	
610	3A	*	B03-2933-13	DRESSING PLATE	KPYMX	
610	3A	*	B03-2934-13	DRESSING PLATE	TEG	
611	3A		B43-0287-04	KENWOOD BADGE	TEG	
-		*	B46-0092-43	WARRANTY CARD	KY	
-		*	B46-0096-53	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-			B46-0197-00	QUESTIONAIRE CARD	K	
-			B46-0310-03	WARRANTY CARD	TEG	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-		*	B58-0964-13	CAUTION CARD (CAUTION UL)	KY	
-		*	B58-0965-13	CAUTION CARD (TX TYPE PL)	XT	
-		*	B58-0966-13	CAUTION CARD (ELM TYPE PL)	MEG	
-		*	B58-0967-03	CAUTION CARD (P TYPE PL)	P	
-		*	B58-0970-13	CAUTION CARD (RG TYPE PL)	G	
-		*	B59-1104-00	SERVICE DIRECTORY	Y	
-		*	B60-1938-00	INSTRUCTION MANUAL (EN)	KPYMX	
-		*	B60-1939-00	INSTRUCTION MANUAL (EN)	TE	
-		*	B60-1940-00	INSTRUCTION MANUAL (FR)	P	
-		*	B60-1941-00	INSTRUCTION MANUAL (C)	M	
-		*	B60-1942-00	INSTRUCTION MANUAL (G/D)	EG	
-		*	B60-1944-00	INSTRUCTION MANUAL (SP)	E	
-		*	B60-1945-00	INSTRUCTION MANUAL (F/I)	E	
-		*	B60-2132-00	INSTRUCTION MANUAL (TAIWAN)	M	
⚠ 615	2A		E03-0115-05	AC PLUG ADAPTER	M	
⚠ 617	1D		E30-2592-15	AC POWER CORD	MEG	
⚠ 617	1D		E30-2605-05	AC POWER CORD	Y	
⚠ 617	1D		E30-2650-05	AC POWER CORD	KP	
⚠ 617	1D		E30-2717-05	AC POWER CORD	X	
⚠ 617	1D		E30-2721-05	AC POWER CORD	T	
⚠ J5			E03-0141-05	AC OUTLET	X	
625	1B		F20-1284-05	INSULATING BOARD		
626	1B		F20-1297-05	INSULATING SHEET		
627	1C	*	F20-1424-13	INSULATING SHEET		
628	2B	*	F20-1425-04	INSULATING SHEET		
629	1A	*	F20-1433-03	INSULATING BOARD	M	
-		*	F10-0971-03	SHIELDING PLATE	TEG	
-			F20-1258-04	INSULATING BOARD	T	
-		*	G11-2010-04	SOFT TAPE	TEG	
-			H10-5915-02	POLYSTYRENE FOAMED FIXTURE (L)	KPYMXE	S
-			H10-5915-02	POLYSTYRENE FOAMED FIXTURE (L)	G	S
-			H10-5916-12	POLYSTYRENE FOAMED FIXTURE (R)	KPYMXE	S
-			H10-5916-12	POLYSTYRENE FOAMED FIXTURE (R)	G	S
-		*	H10-5917-02	POLYSTYRENE FOAMED FIXTURE (L)	T	S
-		*	H10-5918-02	POLYSTYRENE FOAMED FIXTURE (R)	T	S

L: Scandinavia **K**: USA **P**: Canada **R**: Mexico **S**: SINGAPORE MADE
Y: PX (Far East, Hawaii) **T**: England **E**: Europe **G**: Germany **W**: MALAYSIA MADE
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⚠ indicates safety critical components.

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No.2

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
-		*	H10-5956-02	POLYSTYRENE FOAMED FIXTURE (L)	KPYMXE	W
-		*	H10-5956-02	POLYSTYRENE FOAMED FIXTURE (L)	G	W
-		*	H10-5957-02	POLYSTYRENE FOAMED FIXTURE (R)	KPYMXE	W
-		*	H10-5957-02	POLYSTYRENE FOAMED FIXTURE (R)	G	W
-		*	H10-5958-02	POLYSTYRENE FOAMED FIXTURE (L)	T	W
-		*	H10-5959-02	POLYSTYRENE FOAMED FIXTURE (R)	T	W
-			H13-0147-14	CARTON BOARD	X	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	KPYMXE	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	G	
-			H25-0651-04	PROTECTION BAG (0232 PRINTED)	T	
-			H25-1516-04	PROTECTION BAG		
-		*	H50-1350-14	ITEM CARTON CASE	KPYXEG	S
-		*	H50-1351-14	ITEM CARTON CASE	M	S
-		*	H50-1352-14	ITEM CARTON CASE	T	S
-		*	H50-1353-14	ITEM CARTON CASE	KPYXEG	W
-		*	H50-1354-14	ITEM CARTON CASE	M	W
-		*	H50-1355-14	ITEM CARTON CASE	T	W
640	3B,3C		J02-0366-15	FOOT	KPYMX	
640	3B,3C		J02-1040-05	FOOT	TEG	
641	2C		J19-3752-14	UNIT HOLDER		
⚠ 646	1D		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
653	3A		K29-5859-04	KNOB ASSY (VOLUME)		
654	3A,3B		K29-6039-02	KNOB (POWER/10KEY/RDS)		
655	3A		K29-6041-04	KNOB (BASS,TREBLE)		
656	3A		K29-6043-04	KNOB (INPUT SELECTOR)		
657	3B	*	K29-6073-12	KNOB		
658	3A	*	K29-6127-04	KNOB (BALANCE)		
⚠ 664	2B	*	L07-1871-15	POWER TRANSFORMER	KP	
⚠ 664	2B	*	L07-1872-05	POWER TRANSFORMER	TEG	
⚠ 664	2B	*	L07-1873-05	POWER TRANSFORMER	X	
⚠ 664	2B	*	L07-1874-05	POWER TRANSFORMER	YM	
669	2A		T90-0195-05	LOOP ANTENNA		
670	2A		T90-0198-05	ANTENNA ADAPTOR		
671	2A		T90-0801-05	LEAD WIRE ANTENNA		
672	2A		J19-3645-05	LOOP ANTENNA STAND		
TUNER UNIT (X05-4460-XX)						
C1 ,2			CK73FB1H103K	CHIP C 0.010UF K	KPYMX	
C4			CE04LW1A470M	ELECTRO 47UF 10WV	KPYMX	
C5			CK73FB1H103K	CHIP C 0.010UF K	KPYMX	
C8			CK73FB1H103K	CHIP C 0.010UF K	KPYMX	
C10			CK73FB1H102K	CHIP C 1000PF K	KPYMX	
C11			CE04LW1H4R7M	ELECTRO 4.7UF 50WV	KPYMX	
C13			CE04LW1H010M	ELECTRO 1.0UF 50WV	KPYMX	
C14			CE04LW1H2R2M	ELECTRO 2.2UF 50WV	KPYMX	
C21 ,22			CQ92FM1H163J	MYLAR 0.016UF J	YMX	
C21 ,22			CQ92FM1H243J	MYLAR 0.024UF J	KP	
C23			CE04LW1H010M	ELECTRO 1.0UF 50WV	KPYMX	
C24			CE04LW1H3R3M	ELECTRO 3.3UF 50WV	KPYMX	
C25			CE04LW1V100M	ELECTRO 10UF 35WV	KPYMX	
C27			CK73FB1E473K	CHIP C 0.047UF K	KPYMX	
C28			CE04LW1V100M	ELECTRO 10UF 35WV	KPYMX	
C31			CE04LW1A470M	ELECTRO 47UF 10WV	KPYMX	

L: Scandinavia **K**: USA **P**: Canada **R**: Mexico **S**: SINGAPORE MADE
Y: PX (Far East, Hawaii) **T**: England **E**: Europe **G**: Germany **W**: MALAYSIA MADE
Y: AAFES (Europe) **X**: Australia **M**: Other Areas
⚠ indicates safety critical components.

⁎ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

No.3

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C32			CK73FB1H103K	CHIP C 0.010UF K	KPYMX	
C33			CC73FCH1H270J	CHIP C 27PF J	KPYMX	
C34			CC73FCH1H220J	CHIP C 22PF J	KPYMX	
C35 -38			CK73FB1H471K	CHIP C 470PF K	KPYMX	
C39			CE04LW1C470M	ELECTRO 47UF 16WV	KPYMX	
C40			CK73FB1H223K	CHIP C 0.022UF K	KPYMX	
C41			CE04LW1H010M	ELECTRO 1.0UF 50WV	KPYMX	
C42 ,43			CK73FB1H103K	CHIP C 0.010UF K	KPYMX	
C50			C91-0769-05	CERAMIC 0.010UF K	KPYMX	
C51			CE04LW1H010M	ELECTRO 1.0UF 50WV	KPYMX	
C52			CE04LW1C470M	ELECTRO 47UF 16WV	KPYMX	
C57			CC73FSL1H220J	CHIP C 22PF J	KPYMX	
C65			CE04LW1H010M	ELECTRO 1.0UF 50WV	KPYMX	
C66			CK73FB1H102K	CHIP C 1000PF K	KPYMX	
C71			CE04LW1V100M	ELECTRO 10UF 35WV	KPYMX	
C72			CE04LW1C470M	ELECTRO 47UF 16WV	KPYMX	
C103-106			CE04LW1HR47M	ELECTRO 0.47UF 50WV	KPYMX	
C107			CK73FB1E473K	CHIP C 0.047UF K	KPYMX	
C112			CC73FSL1H101J	CHIP C 100PF J	KPYMX	
C114			CK73FB1H681K	CHIP C 680PF K	KPYMX	
C115,116			CC73FSL1H101J	CHIP C 100PF J	KPYMX	
C121,122			CE04LW1C470M	ELECTRO 47UF 16WV	KPYMX	
C135,136			CQ92FM1H682J	MYLAR 6800PF J	YM	
C182			CC73FSL1H150J	CHIP C 15PF J	KPYMX	
J1			E20-0321-05	LOCK TERMINAL BOARD	KPYMX	
CF1 ,2			L72-0531-05	CERAMIC FILTER	KPYMX	
CF3			L72-0574-05	CERAMIC FILTER	KPYMX	
L7			L30-0467-05	AM IFT	KPYMX	
L10			L40-1091-17	SMALL FIXED INDUCTOR(1UH)	KPYMX	
L11			L40-1021-14	SMALL FIXED INDUCTOR(1.0MH,K)	KPYMX	
L12			L40-1091-17	SMALL FIXED INDUCTOR(1UH)	KPYMX	
L103			L39-1328-05	COMBINATION COIL	KPYMX	
L106			L40-1091-17	SMALL FIXED INDUCTOR(1UH)	KPYMX	
X1			L77-1122-05	CRYSTAL RESONATOR(7.2MHZ)	KPYMX	
X2			L78-0295-05	RESONATOR (456KHZ)	KPYMX	
R11			RS14KB3A820J	FL-PROOF RS 82 J 1W	KPYMX	
R31			RS14KB3D221J	FL-PROOF RS 220 J 2W	KPYMX	
R42			RD14NB2E101J	RD 100 J 1/4W	KPYMX	
R111			RD14NB2E470J	RD 47 J 1/4W	KPYMX	
R127,128			RD14NB2E101J	RD 100 J 1/4W	KPYMX	
W46			R92-0670-05	CHIP R 0 OHM	KPYMX	
W48			R92-0670-05	CHIP R 0 OHM	KPYMX	
S101			S62-0034-05	SLIDE SWITCH	YM	
D3			HZS5.1N(B2)	ZENER DIODE	KPYMX	
D3			RD5.1ES(B2)	ZENER DIODE	KPYMX	
D4			HZS3.3N(B2)	ZENER DIODE	KPYMX	
D4			RD3.3ES(B2)	ZENER DIODE	KPYMX	
D7			MA110	DIODE	KPYMX	
D8 ,9			HSS104	DIODE	KPYMX	
D8 ,9			1SS133	DIODE	KPYMX	
D11			HZS8.2N(B2)	ZENER DIODE	KPYMX	
D11			RD8.2ES(B2)	ZENER DIODE	KPYMX	
D111,112			MA110	DIODE	KPYMX	

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⁎ New Parts
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Teile ohne **Parts No.** werden nicht geliefert.

No.4

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
IC1			LA1831A-KEN	ANALOGUE IC	KPYMX	
IC2			LC7218	IC(PLL SYNTHESIZER)	KPYMX	
IC12			NJM4565D	IC(OP AMP X2)	KPYMX	
Q1			2SC2714(R,0)	TRANSISTOR	KPYMX	
Q2			2SC1845(F,E)	TRANSISTOR	KPYMX	
Q3			2SC1740S(Q,R)	TRANSISTOR	KPYMX	
Q3			2SC2785(F,E)	TRANSISTOR	KPYMX	
Q7			2SC2412K	TRANSISTOR	KPYMX	
Q11			2SD863(E,F)	TRANSISTOR	KPYMX	
Q102			2SA1037K	TRANSISTOR	KPYMX	
Q104			2SA1037K	TRANSISTOR	KPYMX	
Q107-110			2SC2412K	TRANSISTOR	YM	
Q109,110			2SC2412K	TRANSISTOR	KPX	
Q111			2SA1037K	TRANSISTOR	KPYMX	
DT1		*	W02-2512-05	FM FRONT-END ASSY	KPYMX	
TUNER UNIT (X05-4532-70)						
C1 ,2			CK73FB1H103K	CHIP C 0.010UF K	TEG	
C3			CE04LW1V100M	ELECTRO 10UF 35WV	TEG	
C4			CK73FB1E473K	CHIP C 0.047UF K	TEG	
C5			CE04LW1V100M	ELECTRO 10UF 35WV	TEG	
C6			CK73FB1E473K	CHIP C 0.047UF K	TEG	
C7			CE04LW1V100M	ELECTRO 10UF 35WV	TEG	
C8			CE04LW1H010M	ELECTRO 1.0UF 50WV	TEG	
C9			CE04LW1HR47M	ELECTRO 0.47UF 50WV	TEG	
C10			CE04LW1H2R2M	ELECTRO 2.2UF 50WV	TEG	
C11			CE04LW1HR47M	ELECTRO 0.47UF 50WV	TEG	
C12			CK73FB1E473K	CHIP C 0.047UF K	TEG	
C13			CC73FCH1H220J	CHIP C 22PF J	TEG	
C14			CE04LW1A101M	ELECTRO 100UF 10WV	TEG	
C15			CK73FB1H472K	CHIP C 4700PF K	TEG	
C16			CE04LW1H010M	ELECTRO 1.0UF 50WV	TEG	
C17 ,18			CE04LW1V100M	ELECTRO 10UF 35WV	TEG	
C19 ,20			CQ92FM1H273J	MYLAR 0.027UF J	TEG	
C21			CK73FB1H103K	CHIP C 0.010UF K	TEG	
C22			CC73FSL1H101J	CHIP C 100PF J	TEG	
C23 ,24			CE04LW1H2R2M	ELECTRO 2.2UF 50WV	TEG	
C25 ,26			CK73FB1H562K	CHIP C 5600PF K	TEG	
C27			CK73FB1E473K	CHIP C 0.047UF K	TEG	
C28			CC73FSL1H150J	CHIP C 15PF J	TEG	
C29			CE04LW1H0R1M	ELECTRO 0.1UF 50WV	TEG	
C30			CE04LW1C470M	ELECTRO 47UF 16WV	TEG	
C31			CK73FB1E473K	CHIP C 0.047UF K	TEG	
C32			CK73FB1H103K	CHIP C 0.010UF K	TEG	
C33			CC73FCH1H270J	CHIP C 27PF J	TEG	
C34			CC73FCH1H220J	CHIP C 22PF J	TEG	
C35 -38			CC73FSL1H101J	CHIP C 100PF J	TEG	
C39			CE04LW1C470M	ELECTRO 47UF 16WV	TEG	
C40			CQ92FM1H223J	MYLAR 0.022UF J	TEG	
C41			CE04HW1H2R2M	NP-ELEC 2.2UF 50WV	TEG	
C42 ,43			CK73FB1H103K	CHIP C 0.010UF K	TEG	
C44			CE04LW1A470M	ELECTRO 47UF 10WV	TEG	
C45			CE04LW1C470M	ELECTRO 47UF 16WV	TEG	
C46			CE04LW1H010M	ELECTRO 1.0UF 50WV	TEG	
C47			CK73FB1H103K	CHIP C 0.010UF K	TEG	

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PARTS LIST

✻ New Parts
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No.5

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C48			CE04LW1H010M	ELECTRO 1.0UF 50WV	TEG	
C49			CK73FB1H103K	CHIP C 0.010UF K	TEG	
C50			CC73FCH1H330J	CHIP C 33PF J	TEG	
C51 -54			CK73FB1H102K	CHIP C 1000PF K	TEG	
C55			CK73FB1H222K	CHIP C 2200PF K	TEG	
C56			CC73FCH1H060D	CHIP C 6.0PF D	TEG	
C57			CC73FCH1H220J	CHIP C 22PF J	TEG	
C58			CK73FB1E473K	CHIP C 0.047UF K	TEG	
C60			CC73FSL1H101J	CHIP C 100PF J	TEG	
C61			C91-0745-05	CERAMIC 100PF K	TEG	
C62			CC45FSL1H020C	CERAMIC 2.0PF C	TEG	
J1			E20-0321-05	LOCK TERMINAL BOARD	TEG	
CF1 ,2			L72-0536-05	CERAMIC FILTER	TEG	
L1 ,2			L79-1219-05	LC FILTER	TEG	
L3			L30-0910-05	FM IFT	TEG	
L5			L79-0125-05	LC FILTER	TEG	
L6			L39-1328-05	COMBINATION COIL	TEG	
L7			L30-0467-05	AM IFT	TEG	
L8 ,9			L40-1091-17	SMALL FIXED INDUCTOR(1UH)	TEG	
L11			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)	TEG	
X1			L77-1122-05	CRYSTAL RESONATOR(7.2MHZ)	TEG	
X2			L78-0295-05	RESONATOR (456KHZ)	TEG	
R42			RD14NB2E101J	RD 100 J 1/4W	TEG	
R78			RD14NB2E470J	RD 47 J 1/4W	TEG	
R79			RS14KB3D221J	FL-PROOF RS 220 J 2W	TEG	
W101-106			R92-0670-05	CHIP R 0 OHM	TEG	
W108-112			R92-0670-05	CHIP R 0 OHM	TEG	
W114-119			R92-0670-05	CHIP R 0 OHM	TEG	
W121,122			R92-0670-05	CHIP R 0 OHM	TEG	
W201-203			R92-0679-05	CHIP R 0 OHM	TEG	
W207,208			R92-0679-05	CHIP R 0 OHM	TEG	
D1 ,2			HSS104	DIODE	TEG	
D1 ,2			1SS133	DIODE	TEG	
D3			MTZJ5.1(B)	ZENER DIODE	TEG	
D3			RD5.1ES(B2)	ZENER DIODE	TEG	
D4			MTZJ8.2(B)	ZENER DIODE	TEG	
D4			RD8.2ES(B2)	ZENER DIODE	TEG	
D5			HSS104	DIODE	TEG	
D5			1SS133	DIODE	TEG	
D6			MTZJ3.3(B)	ZENER DIODE	TEG	
D6			RD3.3ES(B2)	ZENER DIODE	TEG	
D7			MA110	DIODE	TEG	
D8			1SS268	DIODE	TEG	
D9			MA110	DIODE	TEG	
IC1			LA1836	ANALOGUE IC	TEG	
IC2			LC7218	IC(PLL SYNTHESIZER)	TEG	
IC3			M5223P	IC(OP AMP X2)	TEG	
Q1			2SC2714(R,O)	TRANSISTOR	TEG	
Q2			2SC1845(F,E)	TRANSISTOR	TEG	
Q3 -5			2SC4081(R,S)	TRANSISTOR	TEG	
Q7 ,8			2SA1576(R,S)	TRANSISTOR	TEG	
Q9			2SD863(E,F)	TRANSISTOR	TEG	
Q10			2SA1576(R,S)	TRANSISTOR	TEG	

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No.6

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
Q11 ,12			2SD1757K	TRANSISTOR	TEG	
Q16			2SC4081(R,S)	TRANSISTOR	TEG	
Q17			2SA1576(R,S)	TRANSISTOR	TEG	
Q18			2SC4081(R,S)	TRANSISTOR	TEG	
A1		*	W02-2509-05	FM FRONT-END ASSY	TEG	
AUDIO UNIT (X09-409X-XX)						
C1 ,2			CC45FSL1H390J	CERAMIC 39PF J		
C3 ,4			CE04LW1V100M	ELECTRO 10UF 35WV		
C5 ,6			CC45FSL1H221J	CERAMIC 220PF J		
C7 ,8			CE04LW1A101M	ELECTRO 100UF 10WV		
C9 ,10			CK45FB1H102K	CERAMIC 1000PF K		
C11 ,12			CQ93FMG1H123J	MYLAR 0.012UF J		
C13 ,14			CQ93FMG1H332J	MYLAR 3300PF J		
C15 ,16			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C17			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C18			CK45FB1H681K	CERAMIC 680PF K		
C19 ,20			CE04LW1C101M	ELECTRO 100UF 16WV		
C21 ,22			CE04LW1C470M	ELECTRO 47UF 16WV		
C23 ,24			CC45FSL1H101J	CERAMIC 100PF J		
C25 ,26			CC45FSL1H221J	CERAMIC 220PF J		
C27 ,28			CQ93FMG1H393J	MYLAR 0.039UF J		
C29 ,30			CK45FB1H561K	CERAMIC 560PF K		
C31 ,32			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C33 ,34			CE04LW1V100M	ELECTRO 10UF 35WV		
C37			CE04EW1V102M	ELECTRO 1000UF 35WV		
C38			CE04LW1J221M	ELECTRO 220UF 63WV		
C39 ,40			CK45FB1H102K	CERAMIC 1000PF K		
C41 -45			CE04LW1C470M	ELECTRO 47UF 16WV		
C46			CE04LW1V100M	ELECTRO 10UF 35WV		
C47 ,48			C90-3536-05	ELECTRO 6800UF 71WV		
C49			CK45FF1H103Z	CERAMIC 0.010UF Z		
C50 ,51			CE04LW1C220M	ELECTRO 22UF 16WV		
C52 ,53			CE04LW1C470M	ELECTRO 47UF 16WV		
C61			CE04LW2A100M	ELECTRO 10UF 100WV		
C62			CE04LW2A101M	ELECTRO 100UF 100WV		
C91 -96			CQ93FMG1H682J	MYLAR 6800PF J	TEG	
C97 ,98			CK45FB1H102K	CERAMIC 1000PF K	KPYMX	
C99 ,100			CK45FB1H102K	CERAMIC 1000PF K		
C101,102			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C103,104			CC45FSL1H221J	CERAMIC 220PF J		
C105,106			CC45FSL1H101J	CERAMIC 100PF J		
C107,108			CK45FB1H102K	CERAMIC 1000PF K	TEG	
C109,110			CE04LW1A101M	ELECTRO 100UF 10WV		
C111,112			CC45FSL1H100D	CERAMIC 10PF D		
C113,114			CE04LW2A010M	ELECTRO 1.0UF 100WV		
C115,116			CC45FSL1H101J	CERAMIC 100PF J	TEG	
C119,120			CC45FSL1H020C	CERAMIC 2.0PF C		
C121,122			CC45FSL2H330J	CERAMIC 33PF J		
C125-128			CK45FF1H103Z	CERAMIC 0.010UF Z		
C129-132			CF92FV1H224J	MF-C 0.22UF J	TEG	
C131,132			CQ93FMG1H104J	MYLAR 0.10UF J	KPYMX	
C141,142			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C143,144			CC45FSL1H221J	CERAMIC 220PF J		
C145,146			CC45FSL1H101J	CERAMIC 100PF J		

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KR-V6070

PARTS LIST

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No.7

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C147,148			CC45FSL1H101J	CERAMIC 100PF J	TEG	
C149,150			CE04LW1A470M	ELECTRO 47UF 10WV		
C151,152			CC45FSL1H680J	CERAMIC 68PF J		
C153			CE04LW2A010M	ELECTRO 1.0UF 100WV		
C159,160			CC45FSL1H020C	CERAMIC 2.0PF C		
C161,162			CC45FSL2H680J	CERAMIC 68PF J		
C165-168			CK45FF1H103Z	CERAMIC 0.010UF Z		
C169-172			CF92FV1H224J	MF-C 0.22UF J	TEG	
C171,172			CQ93FMG1H104J	MYLAR 0.10UF J	KPYMX	
C173			CE04LW0J221M	ELECTRO 220UF 6.3WV		
C174			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C175,176			CK45FB1H471K	CERAMIC 470PF K		
C181			CK45FF1H103Z	CERAMIC 0.010UF Z		
C182			CE04EW1E331M	ELECTRO 330UF 25WV		
C183,184			CE04LW1A470M	ELECTRO 47UF 10WV		
C185			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C186			CK45FF1H103Z	CERAMIC 0.010UF Z		
C191,192			CK45FF1H103Z	CERAMIC 0.010UF Z		
C193,194			CK45FE2H103P	CERAMIC 0.010UF P	KPYMX	
C193,194			C91-1480-05	MP 0.22UF 250WV	TEG	
C195			CK45FB1H561K	CERAMIC 560PF K	TEG	
C201,202			CQ93FMG1H333J	MYLAR 0.033UF J		
C203,204			CE04LW1V100M	ELECTRO 10UF 35WV		
C205			CE04LW1C101M	ELECTRO 100UF 16WV		
C206			CK45FF1H103Z	CERAMIC 0.010UF Z		
C207,208			CK45FF1H473Z	CERAMIC 0.047UF Z		
C211			CE04LW1A101M	ELECTRO 100UF 10WV		
C212			CE04LW1A470M	ELECTRO 47UF 10WV		
C213,214			CK45FF1H103Z	CERAMIC 0.010UF Z		
C215,216			CE04LW1V100M	ELECTRO 10UF 35WV		
C217,218			CC45FSL1H470J	CERAMIC 47PF J		
C219,220			CK45FF1H103Z	CERAMIC 0.010UF Z		
C221,222			CC45FSL1H221J	CERAMIC 220PF J		
C223,224			CK45FF1H103Z	CERAMIC 0.010UF Z		
C301			CE04LW1H2R2M	ELECTRO 2.2UF 50WV	TEG	
C302			CC45FSL1H331J	CERAMIC 330PF J	TEG	
C303			CK45FB1H561K	CERAMIC 560PF K	TEG	
C304			CK45FF1H103Z	CERAMIC 0.010UF Z	TEG	
C305			CE04LW1V100M	ELECTRO 10UF 35WV	TEG	
C306			CC45FCH1H470J	CERAMIC 47PF J	TEG	
C307			CC45FCH1H220J	CERAMIC 22PF J	TEG	
C308			CK45FF1H103Z	CERAMIC 0.010UF Z	TEG	
C309			CE04LW1V100M	ELECTRO 10UF 35WV	TEG	
C310			CK45FF1H103Z	CERAMIC 0.010UF Z	TEG	
C311			CE04LW1C470M	ELECTRO 47UF 16WV	TEG	
C312			CK45FB1H102K	CERAMIC 1000PF K	TEG	
J1			E63-0068-15	PHONO JACK(2P) PHONO		
J2			E70-0047-05	LOCK TERMINAL BOARD FRONT SP	KPYMX	
J3			E70-0046-05	LOCK TERMINAL BOARD REAR/CENT		
⚠ J5			E03-0148-05	AC OUTLET	KPY	
⚠ J5			E03-0149-05	AC OUTLET	MEG	
⚠ J5			E03-0310-05	AC OUTLET	T	
J6			E63-0069-15	PHONO JACK(4P) VIDEO 1/2/M.OUT		
J7			E11-0188-05	MINIATURE PHONE JACK(2P) S.CON		

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* New Parts
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Teile ohne Parts No. werden nicht geliefert.

No.8

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
J8			E70-0019-05	SCREW TERMINAL BOARD FRONT SP	TEG	
⚠ F1			F05-4025-05	FUSE (SEMKO) (250V T4A L)	YMXTEG	
⚠ F1			F05-6029-05	FUSE (UL) (125V 6A)	KP	
⚠ F2			F05-4025-05	FUSE (SEMKO) (250V T4A L)	YM	
⚠ F3			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	EG	
CN8 ,9			J13-0075-05	FUSE CLIP		
CN10,11			J13-0075-05	FUSE CLIP	EG	
CN12,13			J13-0075-05	FUSE CLIP	YM	
L1 -4			L39-0085-05	PHASE COMPENSATION COIL	YMXTEG	
L201-203			L40-1091-17	SMALL FIXED INDUCTOR(1UH)	TEG	
L204,205			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)	TEG	
⚠ T1			L07-1876-05	POWER TRANSFORMER	KP	
⚠ T1			L07-1877-05	POWER TRANSFORMER	YM	
⚠ T1			L07-1878-05	POWER TRANSFORMER	X	
⚠ T1			L07-1879-05	POWER TRANSFORMER	TEG	
X201			L77-2002-05	CRYSTAL RESONATOR(4.332MHZ)	TEG	
X202			L78-0244-05	RESONATOR (4.000M)	TEG	
CP1 ,2			R90-0840-05	RD 0.22 5W		
CP3 ,4			R90-0888-05	MULTIPLE RESISTOR 0.33 X2 5W		
⚠ R17 -20			RD14NB2E101J	RD 100 J 1/4W		
R41			RD14NB2E101J	RD 100 J 1/4W		
⚠ R42			RD14NB2E180J	RD 18 J 1/4W		
R43			RS14KB3D271J	FL-PROOF RS 270 J 2W	KP	
R43			RS14KB3D331J	FL-PROOF RS 330 J 2W	YMXTEG	
R44			RS14KB3D331J	FL-PROOF RS 330 J 2W	YMXTEG	
R45			RS14KB3D271J	FL-PROOF RS 270 J 2W	KP	
R45			RS14KB3D331J	FL-PROOF RS 330 J 2W	YMXTEG	
R46			RS14KB3D181J	FL-PROOF RS 180 J 2W		
R47			RS14KB3D821J	FL-PROOF RS 820 J 2W		
⚠ R48			RD14NB2E180J	RD 18 J 1/4W		
R49			RD14NB2E682J	RD 6.8K J 1/4W		
⚠ R50 ,51			RD14NB2E470J	RD 47 J 1/4W		
⚠ R52 ,53			RD14NB2E1R0J	RD 1.0 J 1/4W		
⚠ R54			RD14NB2E3R3J	RD 3.3 J 1/4W		
⚠ R61			RD14NB2E222J	RD 2.2K J 1/4W		
⚠ R99			RD14NB2E470J	RD 47 J 1/4W		
⚠ R100			RD14NB2E220J	RD 22 J 1/4W	KP	
⚠ R100			RD14NB2E470J	RD 47 J 1/4W	YMXTEG	
R115-118			RD14NB2E221J	RD 220 J 1/4W		
R123,124			RD14NB2E121J	RD 120 J 1/4W		
⚠ R133-136			RD14NB2E220J	RD 22 J 1/4W		
R137,138			RD14NB2E332J	RD 3.3K J 1/4W		
R143,144			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R147,148			RD14NB2E100J	RD 10 J 1/4W	YMXTEG	
R165-168			RD14NB2E221J	RD 220 J 1/4W		
R173,174			RD14NB2E121J	RD 120 J 1/4W		
⚠ R183-186			RD14NB2E220J	RD 22 J 1/4W		
R187,188			RD14NB2E332J	RD 3.3K J 1/4W		
R193,194			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R197,198			RD14NB2E100J	RD 10 J 1/4W	YMXTEG	
⚠ R234			R92-1769-05	CARBON 3.3M J 1/2W	KP	
⚠ R249,250			RD14NB2E100J	RD 10 J 1/4W		
⚠ R261,262			RS14KB3A391J	FL-PROOF RS 390 J 1W		

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KR-V6070

PARTS LIST

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No.9

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
R310			RS14KB3D331J	FL-PROOF RS 330 J 2W	TEG	
VR1 -4			R12-1616-05	TRIMMING POT.(1K)		
VR5		*	R31-0037-05	VARIABLE RESISTOR 100K X4		
K1 ,2			S51-2078-05	MAGNETIC RELAY SP B ON/OFF		
K1 ,2			S51-2092-05	MAGNETIC RELAY SP A ON/OFF		
K3			S76-0005-05	MAGNETIC RELAY SP C/S ON/OFF		
⚠ K4			S76-0016-05	MAGNETIC RELAY 4/8 ON/OFF		
⚠ K4			S76-0017-05	MAGNETIC RELAY 4/8 ON/OFF		
⚠ K5			S76-0009-05	MAGNETIC RELAY		
⚠ S1			S31-3010-05	SLIDE SWITCH AC VOLTAGE SEL	YM	
S2			S31-2132-05	SLIDE SWITCH IMPEDANCE SEL		
⚠ D1 ,2			D5SBA20F03	DIODE		
⚠ D1 ,2			RBV-602LFA	DIODE		
⚠ D3 -10			S5688B	DIODE		
⚠ D3 -10			1SR139-100	DIODE		
D11			RD6.2ES(B2)	ZENER DIODE		
D11			UZ-6.2BSB	ZENER DIODE		
D12			RD8.2ES(B2)	ZENER DIODE		
D12			UZ-8.2BSB	ZENER DIODE		
D13 ,14			RD16ES(B2)	ZENER DIODE		
D13 ,14			UZ-16BSB	ZENER DIODE		
D15 -18			HSS104	DIODE		
D15 -18			1SS133	DIODE		
D19			RD4.7ES(B)	ZENER DIODE		
D19			UZ-4.7BS	ZENER DIODE		
D20			HSS104	DIODE		
D20			1SS133	DIODE		
D21 -29			HSS104A	DIODE		
D21 -29			1SS131	DIODE		
D30			RD5.1ES(B2)	ZENER DIODE		
D30			UZ-5.1BSB	ZENER DIODE		
D31 -34			HSS104A	DIODE		
D31 -34			1SS131	DIODE		
D35 -38			RD13ES(B2)	ZENER DIODE		
D35 -38			UZ-13BSB	ZENER DIODE		
D39 -46			RD10ES(B)	ZENER DIODE		
D39 -46			UZ-10BS	ZENER DIODE		
D47 ,48			HSS104	DIODE		
D47 ,48			1SS133	DIODE		
⚠ D50 -53			S5688B	DIODE		
⚠ D50 -53			1SR139-100	DIODE		
D54			RD6.2ES(B2)	ZENER DIODE		
D54			UZ-6.2BSB	ZENER DIODE		
⚠ D55 ,56			HSS104A	DIODE		
⚠ D55 ,56			1SS131	DIODE		
D57			RD2.7ES(B2)	ZENER DIODE		
D57			UZ-2.7BSB	ZENER DIODE		
D58 -63			HSS104	DIODE		
D58 -63			1SS133	DIODE		
D65 -68			HSS104A	DIODE		
D65 -68			1SS131	DIODE		
D69 -72			RD20ES(B)	ZENER DIODE		
D69 -72		*	UZ-20BS	ZENER DIODE		
D73			RD18ES(B)	ZENER DIODE	KPYM	

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No.10

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
D73			RD20ES(B)	ZENER DIODE	XTEG	
D73			UZ-18BS	ZENER DIODE	KPYM	
D73		*	UZ-20BS	ZENER DIODE	XTEG	
D74			RD20ES(B)	ZENER DIODE		
D74		*	UZ-20BS	ZENER DIODE		
D75			RD18ES(B)	ZENER DIODE	KPYM	
D75			RD20ES(B)	ZENER DIODE	XTEG	
D75			UZ-18BS	ZENER DIODE	KPYM	
D75		*	UZ-20BS	ZENER DIODE	XTEG	
D76			RD20ES(B)	ZENER DIODE		
D76		*	UZ-20BS	ZENER DIODE		
D77 ,78			S5688B	DIODE		
D77 ,78			1SR139-100	DIODE		
D81			RD5.1ES(B2)	ZENER DIODE		
D81			UZ-5.1BSB	ZENER DIODE		
D83 ,84			RD5.1ES(B2)	ZENER DIODE		
D83 ,84			UZ-5.1BSB	ZENER DIODE		
D85 -88			HSS104	DIODE		
D85 -88			1SS133	DIODE		
D301			RD5.1ES(B2)	ZENER DIODE	TEG	
D301			UZ-5.1BSB	ZENER DIODE	TEG	
IC1			NJM4580D-D	IC(OP AMP X2)		
IC2			NJM4565L-D	IC(OP AMP X2)		
IC4			TA8409S	IC(MOTOR CONTROL)		
IC5			NJM2279D	IC(VIDEO IC)		
IC201			SAA6579	ANALOGUE IC	TEG	
IC202			LC6543H-4D68	MI-COM IC	TEG	
Q1 ,2			2SC1740S(Q,R)	TRANSISTOR		
Q1 ,2			2SC2785(F,E)	TRANSISTOR		
⚠ Q3 ,4			2SD2012	TRANSISTOR		
⚠ Q3 ,4			2SD2374	TRANSISTOR		
⚠ Q5			2SC1740S(Q,R)	TRANSISTOR		
⚠ Q5			2SC2785(F,E)	TRANSISTOR		
⚠ Q6			2SA1175(F,E)	TRANSISTOR		
⚠ Q6			2SA933S(Q,R)	TRANSISTOR		
Q7			2SC1740S(Q,R)	TRANSISTOR		
Q7			2SC2785(F,E)	TRANSISTOR		
Q8			2SA1175(F,E)	TRANSISTOR		
Q8			2SA933S(Q,R)	TRANSISTOR		
⚠ Q9			2SA1534A(R,S)	TRANSISTOR		
Q10 -13			2SC1740S(Q,R)	TRANSISTOR		
Q10 -13			2SC2785(F,E)	TRANSISTOR		
Q14			2SA1175(F,E)	TRANSISTOR		
Q14			2SA933S(Q,R)	TRANSISTOR		
Q15 -18			2SC2878(B)	TRANSISTOR		
Q19 ,20			2SC1740S(Q,R)	TRANSISTOR		
Q19 ,20			2SC2785(F,E)	TRANSISTOR		
Q21 -24			2SA992(F,E)	TRANSISTOR		
Q25 -28			2SC2631(R,S)	TRANSISTOR		
Q29 ,30			2SA1123(R,S)	TRANSISTOR		
Q31 ,32			2SC1845(F,E)	TRANSISTOR		
Q33 -36			2SA992(F,E)	TRANSISTOR		
Q37 -40			2SC2631(R,S)	TRANSISTOR		
Q41 ,42			2SA1123(R,S)	TRANSISTOR		
Q43 -46			2SC1845(F,E)	TRANSISTOR		

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KR-V6070

PARTS LIST

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No.11

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
Q47			2SA992(F,E)	TRANSISTOR		
Q49			2SA1175(F,E)	TRANSISTOR		
Q49			2SA933S(Q,R)	TRANSISTOR		
Q50			2SC1740S(Q,R)	TRANSISTOR		
Q50			2SC2785(F,E)	TRANSISTOR		
Q51			2SA1175(F,E)	TRANSISTOR		
Q51			2SA933S(Q,R)	TRANSISTOR		
Q52			2SC1740S(Q,R)	TRANSISTOR		
Q52			2SC2785(F,E)	TRANSISTOR		
Q53 ,54			2SC1845(F,E)	TRANSISTOR		
Q55 ,56			2SA992(F,E)	TRANSISTOR		
Q57			2SA1175(F,E)	TRANSISTOR		
Q57			2SA933S(Q,R)	TRANSISTOR		
Q58			2SC1740S(Q,R)	TRANSISTOR		
Q58			2SC2785(F,E)	TRANSISTOR		
Q59 ,60			2SC1845(F,E)	TRANSISTOR		
Q61 ,62			2SA992(F,E)	TRANSISTOR		
Q63			2SC2003(L,K)	TRANSISTOR		
⚠ Q64			2SC3940A(R,S)	TRANSISTOR		
Q65 ,66			2SC1740S(Q,R)	TRANSISTOR		
Q65 ,66			2SC2785(F,E)	TRANSISTOR		
⚠ Q101,102			2SD2222	TRANSISTOR		
⚠ Q103,104			2SB1470	TRANSISTOR		
Q105,106			2SC4137(V,W)	TRANSISTOR		
⚠ Q107,108		*	2SD2255	TRANSISTOR		
⚠ Q109,110		*	2SB1493	TRANSISTOR		
Q111,112			2SC4137(V,W)	TRANSISTOR		
DISPLAY UNIT (X14-398X-XX)						
D27 ,28			B30-2461-05	LED(RED) STANDBY/THEATER LOGIC		
C1 ,2			C90-3242-05	ELECTRO 4.7UF 35WV		
C3			CE04LW1C330M	ELECTRO 33UF 16WV		
C4			CE04LW1H330M	ELECTRO 33UF 50WV		
C5			CK45FF1H103Z	CERAMIC 0.010UF Z		
C6 ,7			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C8			C90-1827-05	ELECTRO 0.047UF 5.5WV		
C9			CE04LW1A101M	ELECTRO 100UF 10WV		
C10			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C11			C91-0769-05	CERAMIC 0.010UF K		
C12 ,13			C91-0085-05	CERAMIC 0.022UF N		
C14			CE04LW1A470M	ELECTRO 47UF 10WV		
C15			C91-0769-05	CERAMIC 0.010UF K		
C16			C91-0085-05	CERAMIC 0.022UF N		
C17			C91-0769-05	CERAMIC 0.010UF K		
C18			CC45FSL1H220J	CERAMIC 22PF J		
C19			CC45FSL1H470J	CERAMIC 47PF J		
C31 ,32			CK45FB1H471K	CERAMIC 470PF K	TEG	
C33			CK45FF1H103Z	CERAMIC 0.010UF Z		
C41 ,42			CQ93FMG1H563J	MYLAR 0.056UF J		
C51 -54			C91-0749-05	CERAMIC 220PF K	TEG	
C55 ,56			C91-0749-05	CERAMIC 220PF K		
C57 ,58			C91-0749-05	CERAMIC 220PF K	TEG	
C59 ,60			C91-0749-05	CERAMIC 220PF K		
C61 ,62			C91-0749-05	CERAMIC 220PF K	TEG	
C63 ,64			C91-0749-05	CERAMIC 220PF K		

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No.12

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C65 ,66			C91-0749-05	CERAMIC 220PF K	TEG	
C67 ,68			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C69 ,70			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C71 ,72			C91-0749-05	CERAMIC 220PF K	TEG	
C73 ,74			CE04LW1C220M	ELECTRO 22UF 16WV		
C80 ,81			CK45FF1H103Z	CERAMIC 0.010UF Z		
C82 ,83			CC45FSL1H221J	CERAMIC 220PF J		
C87			CK45FF1H103Z	CERAMIC 0.010UF Z		
C88			CE04LW1C470M	ELECTRO 47UF 16WV		
C89			CE04LW1A101M	ELECTRO 100UF 10WV		
C90			C91-0757-05	CERAMIC 1000PF K		
C91			CQ93FMG1H104J	MYLAR 0.10UF J		
C92			CE04LW1C470M	ELECTRO 47UF 16WV		
C93			CQ93FMG1H223J	MYLAR 0.022UF J		
C94			CK45FF1H473Z	CERAMIC 0.047UF Z		
C95			CE04LW1A221M	ELECTRO 220UF 10WV		
C96 -99			CE04LW1V100M	ELECTRO 10UF 35WV		
C100			CE04LW1A221M	ELECTRO 220UF 10WV		
C101,102			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C103,104			CQ93FMG1H104J	MYLAR 0.10UF J		
C105			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C106			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C107			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C108			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C109			CF92FV1H154J	MF-C 0.15UF J		
C110			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C111			CF92FV1H154J	MF-C 0.15UF J		
C112			CQ93FMG1H681J	MYLAR 680PF J		
C113,114			CE04LW1V100M	ELECTRO 10UF 35WV		
C115			CF92FV1H824J	MF-C 0.82UF J		
C116			CF92FV1H474J	MF-C 0.47UF J		
C117			CE04LW1A470M	ELECTRO 47UF 10WV		
C118,119			CQ93FMG1H104J	MYLAR 0.10UF J		
C120			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C121			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C122			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C123			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C124			CF92FV1H154J	MF-C 0.15UF J		
C125			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C126			CF92FV1H154J	MF-C 0.15UF J		
C128			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C129			CE04LW1V100M	ELECTRO 10UF 35WV		
C130			CQ93FMG1H222J	MYLAR 2200PF J		
C131			CQ93FMG1H103J	MYLAR 0.010UF J		
C132			CK45FF1H223Z	CERAMIC 0.022UF Z		
C133			CE04LW1A221M	ELECTRO 220UF 10WV		
C134			CQ93FMG1H333J	MYLAR 0.033UF J		
C135			CQ93FMG1H152J	MYLAR 1500PF J		
C136			CQ93FMG1H333J	MYLAR 0.033UF J		
C137			CF92FV1H105J	MF-C 1.0UF J		
C138			CE04LW1V100M	ELECTRO 10UF 35WV		
C139			CE04LW1A221M	ELECTRO 220UF 10WV		
C140			CE04LW1V100M	ELECTRO 10UF 35WV		
C150,151			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C159,160			CE04LW1V100M	ELECTRO 10UF 35WV		

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No.13

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C161,162			CE04LW1C220M	ELECTRO 22UF 16WV		
C163,164			CE04LW1C101M	ELECTRO 100UF 16WV		
J1			E11-0127-05	PHONE JACK(3P) PHONES	KPYMX	
J1			E11-0190-05	PHONE JACK(3P) PHONES	TEG	
J3 ,4			E63-0070-15	PHONO JACK(8P) CD/TAPE/VIDEO		
L1			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
X1			L78-0267-05	RESONATOR (4.194MHZ)		
X2			L78-0290-05	RESONATOR (8MHZ)		
CP1			R90-0856-05	MULTI-COMP 10KX5 J 1/6W		
R2			RD14NB2E100J	RD 10 J 1/4W		
R3 ,4			RD14NB2E221J	RD 220 J 1/4W		
R91 ,92			RS14KB3A471J	FL-PROOF RS 470 J 1W		
⚠ R154,155			RD14NB2E150J	RD 15 J 1/4W		
⚠ R178,179			RD14NB2E8R2J	RD 8.2 J 1/4W		
VR2 ,3			R31-0036-05	VARIABLE RESISTOR BASS/TREBLE		
VR4		*	R31-0040-05	VARIABLE RESISTOR BALANCE		
S1 -35			S40-1064-05	PUSH SWITCH		
S36 -38			S40-1064-05	PUSH SWITCH RDS	TEG	
S40			T99-0547-05	SPEED DETECTOR		
D1 -11			HSS104	DIODE		
D1 -11			1SS133	DIODE		
D12 -19			HSS104A	DIODE		
D12 -19			1SS131	DIODE		
D20			HSS104	DIODE		
D20			1SS133	DIODE		
D21			RD6.2ES(B2)	ZENER DIODE		
D21			UZ-6.2BSB	ZENER DIODE		
D22			HSS104A	DIODE		
D22			1SS131	DIODE		
D23			HSS104A	DIODE	TEG	
D23			1SS131	DIODE	TEG	
D24			HSS104A	DIODE	X	
D24			1SS131	DIODE	X	
D25			HSS104A	DIODE	YMXTEG	
D25			1SS131	DIODE	YMXTEG	
D26			HSS104A	DIODE	YM	
D26			1SS131	DIODE	YM	
D31 ,32			HSS104	DIODE		
D31 ,32			1SS133	DIODE		
D55			RD5.1ES(B2)	ZENER DIODE		
D55			UZ-5.1BSB	ZENER DIODE		
D56			RD10ES(B)	ZENER DIODE		
D56		*	UZ-10BS	ZENER DIODE		
D57 ,58			HSS104	DIODE		
D57 ,58			1SS133	DIODE		
ED1			11-MT-92GK	INDICATOR TUBE		
IC1		*	UPD78044AGF-051	MI-COM IC	KPYMX	
IC1			UPD78044GF-075	MI-COM IC	TEG	
IC2			S-80740AL	IC(VOLTAGE. DETECTOR)		
IC3			NJM4580D-D	IC(OP AMP X2)		
IC4			NJU7313AL	ANALOGUE IC		
IC5			NJU7311AL	ANALOGUE IC		

L: Scandinavia **K**: USA **P**: Canada **R**: Mexico
Y: PX (Far East, Hawaii) **T**: England **E**: Europe **G**: Germany
Y: AAFES (Europe) **X**: Australia **M**: Other Areas

⚠ indicates safety critical components.

⁎ New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

No.14

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
IC6			LA2785	IC(DOLBY PRO LOGIC DECODER IC)		
IC7			LV1010N	DI BI-POLAR IC		
IC8			NJM4565L-D	IC(OP AMP X2)		
Q1 ,2			2SC1740S(Q,R)	TRANSISTOR		
Q1 ,2			2SC2785(F,E)	TRANSISTOR		
Q3			2SA1175(F,E)	TRANSISTOR	YM	
Q3			2SA933S(Q,R)	TRANSISTOR	YM	
Q11 -13			2SC1740S(Q,R)	TRANSISTOR		
Q11 -13			2SC2785(F,E)	TRANSISTOR		
⚠ Q14			2SC3940A(R,S)	TRANSISTOR		
A1			W02-1153-05	ELECTRIC CIRCUIT MODULE		
A1			W02-1174-05	ELECTRIC CIRCUIT MODULE		

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KR-V6070

SPECIFICATIONS

Audio section

Rated power output at the STEREO operation	
(EIAJ) 1 kHz, 10 % THD at 8 Ω	**140 W + 140 W**
(DIN/IEC) from 63 Hz to 12,500 Hz, 0.7 % T.H.D., at 8 Ω	**100 W + 100 W**
Power output at the Surround operation	
Front (1 kHz, 0.7 % T.H.D. at 8 Ω)	**70 W + 70 W**
Center (1 kHz, 0.7 % T.H.D. at 8 Ω)	**70 W**
Rear (1 kHz, 0.7 % T.H.D. at 8 Ω)	**20 W + 20 W**
Total harmonic distortion (1 kHz, 8 Ω)	**0.03 % at 50 W**
Signal to noise ratio (IHF'66)	
PHONO (MM)	**76 dB**
CD	**100 dB**
Input sensitivity / impedance	
PHONO (MM)	**2.5 mV / 47 kΩ**
CD, TAPE, VIDEO	**200 mV / 47 kΩ**
Tone controls	
BASS	**± 10 dB (at 100 Hz)**
TREBLE	**± 10 dB (at 10 kHz)**
Loudness control at – 30 dB VOLUME level	**+ 8 dB (100 Hz)**

Video section

VIDEO inputs / outputs (Composite)	**1 Vp-p / 75 Ω**

FM Tuner section

Tuning frequency range	**87.5 MHz~108 MHz**
Usable sensitivity (IHF)	**13.2 dBf (1.2 μV at 75 Ω)**
50 dB quieting sensitivity	
STEREO	**41.2 dBf (32 μV at 75 Ω)**
Total harmonic distortion at 1 kHz	
MONO	**0.6 %**
STEREO	**0.7 %**
Signal to noise ratio at 65 dBf (IHF)	
MONO	**75 dB**
STEREO	**68 dB**
Selectivity (IHF ± 400 kHz)	**50 dB**
Stereo separation (IHF at 1 kHz)	**40 dB**
Frequency response	**30 Hz ~ 15 kHz, + 0.5 dB, – 3.0 dB**

AM Tuner section

Tuning frequency range	
9 kHz	**531 kHz ~ 1,602 kHz**
10 kHz	**530 kHz ~ 1,610 kHz**
Usable sensitivity	**12 μV / (500 μV / m)**
Total harmonic distortion	**0.7 %**
Signal to noise ratio	**48 dB**
Selectivity	**30 dB**

General

Power consumption	**230 W**
AC outlet	
SWITCHED	**2: (total 90 W max.)**
Dimensions	**W: 440 mm H: 143 mm D: 347 mm**
Weight (net)	**9.0 kg**

KENWOOD follows a policy of continuous advancements in development.
For this reason specifications may be changed without notice.

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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